

Die Spiele

Volume 1

The organization

Die Spiele

The official report
of the Organizing
Committee
for the Games
of the XXth Olympiad
Munich
1972

Volume1

The organization

issued by
pro Sport München

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Charters

**Permanent Staff
of the
Organizing Committee**

7

**7.1
In General**

The beginning of the work on the basic planning for the various types of sports at the Olympic Games presumed the decision concerning the program and the period of the Olympic Games.

In its statutes the IOC prescribes which types of sports may appear on the program within the range of the Olympic Games, and that at least fifteen of these twenty-one sport disciplines must be carried out by the organizers of the Olympic Games.

In a similar manner the IOC statutes also regulate the length of the Games. The Olympic Games take place during the first year of each Olympiad and may not be postponed to another year. The exact time within the year during which the Games take place is not defined. Rather, the current OC suggests the time of the Games taking especially weather conditions or other circumstances into consideration. This time period may not exceed fifteen days including the opening day. The time period of the Games can be extended accordingly if competitions would not be held on certain days, e.g., Sundays.

**7.2
The Sports Event Program**

Since the archery and handball disciplines were struck from the program of the Games at both of the preceding Olympic Games in Tokyo, 1964, and Mexico City, 1968, the IOC decided at its sixty-third session during October, 1965 in Madrid that the program of the Games of the XXth Olympiad had to include all twenty-one sports recognized by the IOC.

Correspondingly the City of Munich had certified in its application to the IOC that all twenty-one types of sports would be carried out in Munich.

The twenty-one Olympic sports can be divided into the following indoor and outdoor events:

Indoor Events:

- Basketball
- Boxing
- Fencing
- Weight Lifting
- Handball
- Judo
- Wrestling
- Swimming, Diving and Water Polo
- Gymnastics
- Volleyball

Outdoor Events:

- Archery
- Football
- Land Hockey
- Canoeing
- Athletics
- Cycling
- Riding
- Rowing
- Shooting
- Yachting

The modern pentathlon event consists partially of indoor and partially of outdoor disciplines which are included already in the division above as individual sport events.

The archery and handball events were once again a part of the Olympic program after a long interval. The archery event took place last on the occasion of the VIIth Olympiad in Antwerp in 1920 and handball was a demonstration event during the Games of the XIth Olympiad in Berlin in 1936.

In addition there was still a series of minor changes in the detailed program of the Olympic Games. These alterations were decided by the IOC during its sixty-seventh session in Mexico City in 1968.

It dealt with the following sports events and individual competitions as follows:

Women's Athletics

- 1,500 meter race and the four times 400 meter relay as new disciplines,
- 100 meter hurdles instead of the previous 80 meter hurdles.

Yachting

Admission of a sixth class of boats.

Weight Lifting

The previous seven categories of weight lifters were increased to nine.

Boxing

The previous ten weight classes were increased to eleven.

Wrestling

The former eight weight categories were increased to a total of ten.

Judo

There are now six instead of four weight classes (Tokyo, 1964).

On the occasion of the sixty-eight session of the IOC in the beginning of June, 1968, in Warsaw the IOC once again approved the above changes in the program. There were the additional women's disciplines in athletics as well as the sixth class of boats in yachting. The IOC allowed thereby only one uniform boat for two participants; the IOC left the precise details to the International Yachting Association.

In addition the IOC approved the participation of twelve instead of the previous ten teams in the volleyball event since in this way the game schedule would be less time consuming and could be worked out with a smaller number of games.

The investigation of the IOC in regard to the admission of the canoe slalom and wild water event into the program of the Olympic Games proved especially difficult. Appropriate applications were submitted by the International Canoe Association already in 1967, but were each time postponed at the sessions of the IOC in Teheran, Grenoble and Mexico City in 1967 and 1968.

After the OC had extended its approval to the IOC to carry out the canoe slalom or wild water in Munich or in the vicinity of the Olympic city, in Warsaw the IOC agreed to the selective admission of the canoe slalom or wild water with the condition, however, that this would be only a one-time admission to the program of the Olympic Games. The IOC reserved to itself the final decision with respect to future Olympic Games. The OC was instructed to prove which of the two disciplines ought to be carried out. The final decision regarding the location was foreseen for the next session of the IOC. During the sixty-ninth session of the IOC in Amsterdam in 1970 the IOC decided by a large majority to admit the canoe slalom with three men's events and one women's event into the program of the Games of the XXth Olympiad.



International Amateur
Athletic Federation



Union Internationale
de Pentathlon Moderne



Internationale
Handball
Federation



Fédération Internationale
de Hockey



Fédération
Internationale
de VolleyBall



Fédération Equestre
Internationale



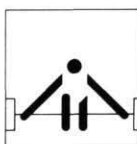
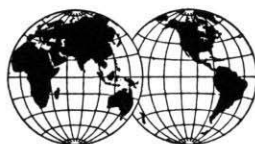
Fédération Internationale
de Basketball Amateur



Association Internationale
de Boxe Amateur



Fédération Internationale
de Football Association



Fédération Haltérophile
Internationale



Fédération Internationale
de Lutte Amateur



Fédération Internationale
Amateur de Cyclisme



Fédération Internationale
d'Escrime



Fédération Internationale
de Tir à l'Arc

Fédération
Internationale
de Gymnastique



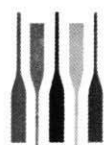
Union Internationale
de Tir



International
Judo Federation



International Yacht Racing Union



Fédération
Internationale
des Sociétés d'Aviron



International
Canoe
Federation



FINA



Fédération Internationale
de Natation Amateur



7.3 Demonstration Competitions
The organizer of the Olympic Games was able to extend the official contest program by as many as two demonstration events according to the version of the IOC statutes that was valid when the Games were awarded to Munich. This possibility was given last at the Games of the XIXth Olympiad in Mexico City. The Sports Commission of the OC discussed in depth at its fourth meeting on October 18, 1969 as to which sports events could be considered for this. The Sports Commission decided principally that on the occasion of the Games of the XXth Olympiad no sport disciplines ought to be demonstrated whose specialized international associations were not recognized at least by the IOC as corresponding to the Olympic standards.

The NOC for Germany had extended four suggestions to the OC. The Sports Commission recommended to the executive board at its seventh session on November 14, 1970 that badminton ought to be presented as a demonstration event in Munich and water skiing in Kiel.

The executive board of the OC followed this recommendation and approved it at its twenty-first session on January 8 and 9, 1971.

7.4 The Entire Time Span of the Games
The City of Munich already proposed the following dates for the staging of the Games of the XXth Olympiad to the IOC in answering the prescribed catalogue of questions: Saturday, July 22, thru Sunday, August 6, 1972 or Saturday, August 26 thru Sunday, September 10, 1972.

The City of Munich had previously examined in depth and correspondingly taken into consideration the weather and climatic requirements on the basis of expert opinions.

It was one of the first tasks of the OC after its founding to decide which of the two periods mentioned would be proposed to the IOC as the final date for the Games of the XXth Olympiad taking other viewpoints into consideration such as vacation time, tourist season, etc.

After obtaining a more comprehensive expert opinion of the German Weather Service and after including a third possible time period between September 1 and 17, 1972, the executive board of the OC at its seventh session on July 15, 1967, unanimously decided to hold the Games of the XXth Olympiad between Saturday, August 26 and Sunday, September 10, 1972.

However, it was clear to the OC that this period of sixteen days could be problematic because the entire duration of the Games permitted by the IOC statutes would be exceeded by one day. The general secretariat of the IOC reminded the OC of this stipulation with a memorandum in the time following. The executive board of the OC thus decided at its thirteenth meeting on January 16, 1969, that it was still not possible to change the entire duration of the Games from sixteen days and presented to the IOC a corresponding petition during its sixty-eighth session in Warsaw in June, 1969 for approval with the following

Because of the admission of the archery and handball events the contest program has been increased to twenty-one sport disciplines so that the schedule of the Games would have to sustain an additional burden.

Within a series of Olympic sports events a number of essential extensions were included with the approval of the IOC since the Games of the XIXth Olympiad in Mexico City in 1968, for example, in the wrestling, boxing, weight lifting and judo events.

Previously the IOC had permitted a total period of sixteen or more days for past Olympic Games, e.g., in Berlin (1936), Helsinki (1952), Melbourne (1956), Rome (1960), and Mexico City (1968) despite less extensive contest programs.

The international sports associations also endorsed this petition of the OC and requested the IOC to approve the sixteen days suggested for the Games of the XXth Olympiad.

Aug/Sept	1972	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10
Une recommandation du CIO, tendant à réduire à 15 jours la durée des Jeux, est actuellement à l'étude.	A recommendation of the I.O.C. for the shortening of the Games to 15 days is at present under review.	Eine Empfehlung des IOC, die Dauer der Spiele auf 15 Tage zu reduzieren, wird zur Zeit noch geprüft.															
Athlétisme	Track and Field	Leichtathletik															
Football	Football	Fußball															
Hockey	Hockey	Hockey															
Aviron	Rowing	Rudern															
Canotage	Canoeing	Kanu															
Tir a l'arme	Shooting	Schießen															
Tir a l'arc	Archery	Bogenschießen															
Yachting	Yachting	Segeln															
Equitation	Equestrian Events	Reiten															
Cyclisme	Cycling	Radfahren															
Pentathlon mod.	Modern Pentathlon	Mod. Fünfkampf															
Natation	Swimming	Schwimmen															
Gymnastique	Gymnastics	Turnen															
Boxe	Boxing	Boxen															
Poids et halteres	Weight Lifting	Gewichtheben															
Lutte	Wrestling	Ringen															
Judo	Judo	Judo															
Basket-ball	Basketball	Basketball															
Volley-ball	Volleyball	Volleyball															
Handball	Handball	Handball															
Escrime	Fencing	Fechten															
28																	

The first time schedule, by days

The general assembly of the IOC at its sixty-eighth session in Warsaw in the beginning of June, 1969 finally approved the time period of the Olympic Games according to the proposal of the OC between August 26 and September 10, 1972.

26.8-11.9.

	26. Sa	27. So	28. Mo	29. Di	30. Mi	31. Do	1. Fr	2. Sa	3. So	4. Mo	5. Di	6. Mi	7. Do	8. Fr	9. Sa	10. So	11. Mo
																	
Track and field																	
Rowing																	
Basketball																	
Boxing																	
Canoeing																	
Cycling																	
Fencing																	
Football																	
Gymnastics																	
Weight Lifting																	
Handball																	
Hockey																	
Judo																	
Wrestling																	
Swimming																	
Mod. Pentathlon																	
Equestrian events																	
Shooting																	
Archery																	
Volleyball																	
Yachting																	

7.5 The Schedule

A balanced, worked out schedule was an important prerequisite for the success of the Olympic Games. Thus the OC, first of all, examined in depth the schedules of previous Olympic Games, especially those of the Games in Rome, Tokyo, and Mexico City. In addition the experiences regarding the spectators' attendance of these Games and the knowledge from transmissions on radio and television were evaluated.

As a result the OC established the following principles for working out the details in the schedule:

- The schedule had to guarantee that the physical burden of the athletes would be kept to a minimum at the Olympic Games.
- Each of the competition days was to be structured so that a balanced relation would result among the contest days. If possible, there should be a special attraction each day for the spectators and finally there should be a noticeable increase in suspense and importance of the contest program.
- The week end in the middle of the Games ought to offer events in almost every discipline in order to give spectators the possibility to experience as many Olympic events as possible according to choice.

From the very beginning the working out of the details of the schedule rested on the basis of sixteen competition days.

7.5.1 The Schedule According to Days

Taking the general basic principles into consideration, the OC worked out the first plan for the schedule toward the end of 1967 and presented it to the Sports Commission at its second session on January 27, 1968.

The OC preferred a division of the gymnastics and swimming events from track and field sports as an essential principle which did not change even to the establishment of the final schedule. In addition even in the first plan for the schedule the OC placed the athletics events in the second week of the Games in consideration of the special popularity of this sport in the host country while the swimming and gymnastics events mentioned above ought to take place during the first week of the Games.

The OC determined the number of contest days in the twenty-one sports events on the basis of experiences gained from the analysis of the schedules from previous Games. The preceding schedule explains in detail the determined days for various Olympic sports events.

In the following time the OC altered this first plan for the schedule after negotiations with the responsible representatives of the specialized international sports associations as much as required.

In this context, the number of athletes expected and for several sports events, particularly those involving teams, the course of the competition had to be considered in detail.

After a second and later a third plan which each included a few insignificant alterations, the general assembly of the IOC approved the schedule proposed during its sixty-eighth session from June 6 to 10, 1969, in Warsaw.

The IOC placed this approved schedule once more in question by the decision to allow only eight participants in every sport involving teams. The IOC formulated this decision during the same session in Warsaw. Finally the executive board of the IOC before the general assembly in Amsterdam in 1970 on the basis of the suggestions of the OC and the international sports associations involved decided, nevertheless, that sixteen participants would be admitted to all team competitions with the exception of volleyball. It retained the decision on twelve men's and eight women's teams in volleyball. The final schedule by days can be pursued in the preceding survey.

7.5.2 The Schedule by Hours

After the sixty-eighth session of the IOC in the middle of 1969, the OC began to develop the schedule by hours in agreement with the national and international sports associations. The first, rough draft for this schedule was presented to the Sports Commission of the OC on the occasion of its fifth session on January 10, 1970.

During the sixth session of the Sports Commission on April 4, 1970 the second draft showed a noticeable improvement since the approval of the responsible representatives of the international associations was available for the archery, fencing, canoeing, modern pentathlon, rowing, shooting, swimming, yachting, gymnastics and volleyball events.

In the course of the year 1970 the OC coordinated the design for the schedule by hours with representatives of the German Olympic Center (DOZ) in reference to the world wide television transmissions foreseen. On April 22, 1970 a programming conference with representatives of European and non-European television companies took place in Munich. The result of this conference induced the OC to approach the international sports associations with a series of requests and suggestions of the television companies concerning the hourly schedule.

Thus it succeeded especially in completely eliminating the overlapping of the athletics and swimming competitions between August 31 and September 4, 1972 by beginning the afternoon athletics events earlier and by postponing the start of the evening swimming events by about a half hour.

The examination of the hourly schedule in regard to traffic also showed that during the peak times each day changes were not needed in the hourly schedule.

The Sports Commission finally approved the schedule by hours during its seventh session on November 14, 1970.

Thus, it was self-evident that only the starting times of the daily contests in the twenty-one Olympic sports were

determined. Only after receiving the numerical reports of every NOC did the OC have a survey of how many preliminaries, qualification, and elimination rounds would have to be accounted for in the various Olympic sports events.

The final hourly schedule based on the numerical reports only could be worked out by the OC about ten days before the beginning of the Olympic Games in agreement with representatives of the international sports associations as the registration of names by the NOCs were available to the OC.

First of all it became obvious that the hourly schedule worked out by the OC in agreement with the national and international sports associations according to the experiences gained during previous Games and the knowledge of the development in individual sports events, in almost every case agreed with the actual registration data which was available immediately before the start of the Olympic Games. Only in the relay races in athletics did the International Athletics Association prefer a shortening of the preliminary and intermediary races to determine the finalists.

The hourly schedule, as it actually proceeded during the Olympic Games between August 26 and September 11, 1972, can be seen in detail in volume 3.

7.6 The Olympic Sports Sites in Munich

The sports sites for each event had to be presented and depicted already in the official application of the City of Munich for the Games of the XXth Olympiad. Thus, in its proposals the City of Munich primarily based itself upon the contest sites which were already available within the city limits; for example, the football stadium on Grünwalder Strasse, the Dante Stadium as an athletics competition site, about twenty municipal sports facilities as training areas, the entire Munich fair grounds with its many halls for indoor sports events, the Dante Swimming Pool for swimming and the Riem Riding Facility for equestrian events.

In addition, the City of Munich proposed the following new sports structures to the IOC:

Olympic Stadium,
a large sports hall,
a swimming hall,
a bicycle race track and
a regatta course for rowing and canoeing.

After its foundation the OC began to examine precisely and individually, proceeding from the suggestions in the application of the City of Munich, how far the proposed competition sites could find unlimited use taking the competition requirements of each discipline into consideration.

In addition it was necessary to develop appropriate space and functional programs for each sports site required, working in close cooperation with the international sports associations involved and in agreement with the respective national sports association. Already at the time when only the first rough sketches of the space and function programs were available, in connection with the first session of the Sports Commission of the OC on November 12, 1966 the OC realized that a number of the sports sites foreseen were not sufficient for the staging of the Olympic sports events. Thus the OC had to examine in depth which contest site would be appropriate for each of the twenty-one Olympic sports.

The OC proceeded from the principle of placing as many competition sites as possible in Olympic Park when determining the location for sports sites. The OC did not do this only to meet the corresponding stipulation in the IOC statutes, but also for the obvious reason that the organization of the Games would have much less to cope with in regard to transportation if as many sports sites as possible were located in the vicinity of the Olympic Village.

7.6.1 The Indoor Sports Events

Olympic Park

The swimming hall and the large sports hall should be constructed on the grounds of Olympic Park within the compass of the architectural competition. The ice sports hall was already available on these grounds, but had to be remodeled accordingly for the Olympic Games.

Swimming

All Olympic swimming competitions, the figure and high-diving events and a series of games in the Olympic water polo tournaments were foreseen in the swimming hall with a capacity of about 10,000 places. The bulk of the games in the Olympic water polo tournament took place in the nearby Dante Swimming Pool which was remodeled as an outdoor pool for the Olympic water polo tournament.

Gymnastics and Handball

The large sport hall with a capacity of 12,000 spectators remained reserved for the particularly popular indoor sports events. All gymnastic competitions took place in this hall during the first week, and thereafter the intermediary and final rounds of the Olympic handball tournament during the second week.

Boxing

The ice sports hall in Olympic Park with room for 7,000 spectators was at first intended to be the location for the preliminary rounds in indoor handball in four groups of four teams each. After the transfer of the handball players to the large sports hall the OC intended to stage the intermediary and final rounds of the boxing tournament here, at least as envisioned in the first plan. However, the experiences gained during the Olympic boxing tournament in Mexico City, 1968 forced the OC to stage the entire tournament in the ice sports hall. The executive board of the OC approved this proposal at its fourteenth session on March 11, 1969.

Volleyball

It was originally planned to hold the men's and women's Olympic volleyball tournament on the fair grounds. After the minimum overhead clearance of the contest sites was set at 12.50 meters at the congress of the International Volleyball Association in connection with the Olympic Games in Mexico City it was discovered that either the halls on the fair grounds were too low or there was scarcely any room remaining for a sufficiently large spectators' stand. For this reason the OC decided to build a double hall in Olympic Park in the area of the future Central University Sports Facility which would have the prescribed overhead clearance of 12.50 meters by lowering the floor of the hall. At its fourteenth session on March 11, 1969 the executive board of the OC agreed to this measure and approved the contest site for volleyball in Olympic Park. Hall 3 on the fair grounds was also foreseen as an additional contest site for volleyball. However, in agreement with the International Volleyball Association the OC succeeded in tightening the playing system so that the entire tournament could be staged in one location if the

total number of matches required was reduced by about 30%.

Basketball

According to the first plans of the OC the Olympic basketball tournament was supposed to have taken place partially in the large sports hall alternating with handball. It was soon discovered that the length of a tournament between sixteen teams demanded a single hall exclusive for this event. Thus the sports commission of the OC already at its third session on February 8, 1969 recommended the construction of a new hall with a capacity of 5,000 spectators. The executive board of the OC followed this recommendation at its fourteenth session on March 11, 1969 and on the occasion of its seventeenth session on November 21 and 22, 1969 designated the property on Siegenburger Strasse as the location for a new hall to be built for the staging of the Olympic basketball tournament.

Fencing, Weight Lifting, Judo, Wrestling

The fair grounds with their numerous halls appeared to be best suited for all remaining indoor sports events. In connection with the application of the City of Munich for the Olympic Games, the Munich Fair and Exhibition Co. Ltd. offered the entire grounds in the condition in which they existed at that time to the City of Munich and later to the OC for use in the framework of the Olympic Games with no strings attached. The fair administration thought that new buildings should be constructed only when the existing situation of the halls could be retained or improved in the interest of the Olympic Games.

Already in 1968 an expert opinion commissioned by the OC in regard to the usability of the halls on the fair grounds showed the unsatisfactory result that only halls 12 and 20 as well as conditionally hall 16 could be considered as suitable for the staging of indoor Olympic sports events.

During its sixteenth session on July 27, 1969 the executive board of the OC approved the space and functional program for the indoor fencing, weight lifting, judo and wrestling events.

During its fourteenth session on March 11, 1969 the executive board of the OC designated both halls 12 and 20 on the fair grounds as competition sites for fencing. It was planned that Hall 12 (Bavaria Hall) would be used for the staging of the Olympic semi-final and final bouts in fencing. The Krone building in Munich with a capacity of only 2,000 spectators was foreseen as the location for weight lifting. As it was discovered that this hall was too small, the OC together with the national and international weight lifters associations inspected a series of locations which could be possibly utilized. Finally it was discovered that only Hall 7 on the fair grounds was suitable for the staging of the weight lifting tournament. The executive board of the OC agreed to this proposal during its seventeenth session on November 21 and 22, 1969. However, Hall 7 had to be completely remodeled for this purpose.

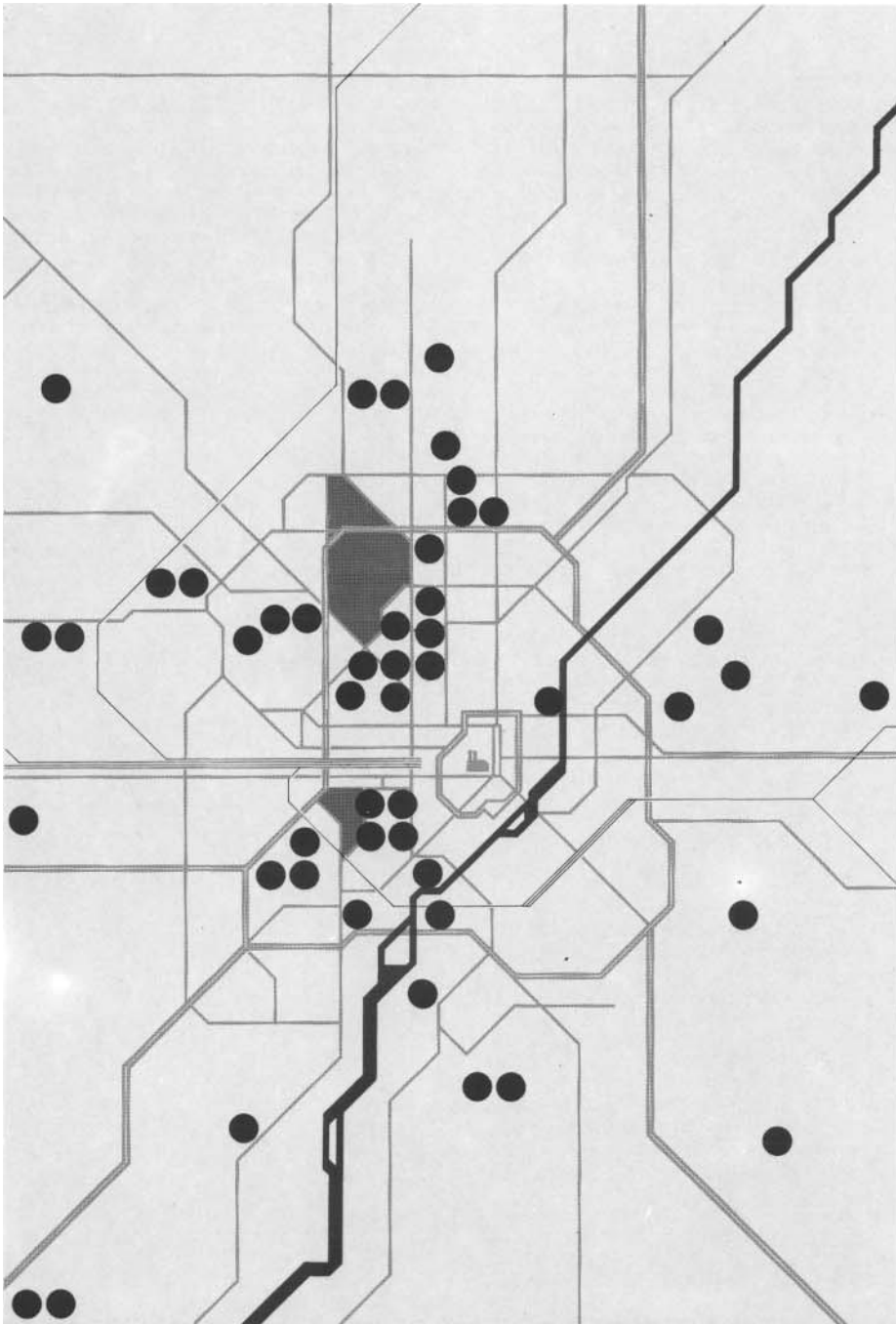
The planning of the OC after presentation of the expert opinion already mentioned concerning the feasibility of the halls on the fair grounds, foresaw a common temporary hall for wrestling and judo. The location was not decided. When the International Wrestling Association required five competition days for each of the two types of wrestling events, it was discovered, however, that both sports events with a total of fourteen contest days could not be accommodated in a single hall. Therefore the OC suggested that Hall 16 on the fair grounds be used for the judo events while a final contest site for wrestling still could not be recommended.

The executive board of the OC accepted this suggestion during its seventeenth session on November 21 and 22, 1969 provided that a competition site for wrestling be found as soon as possible in negotiations with the fair corporation.

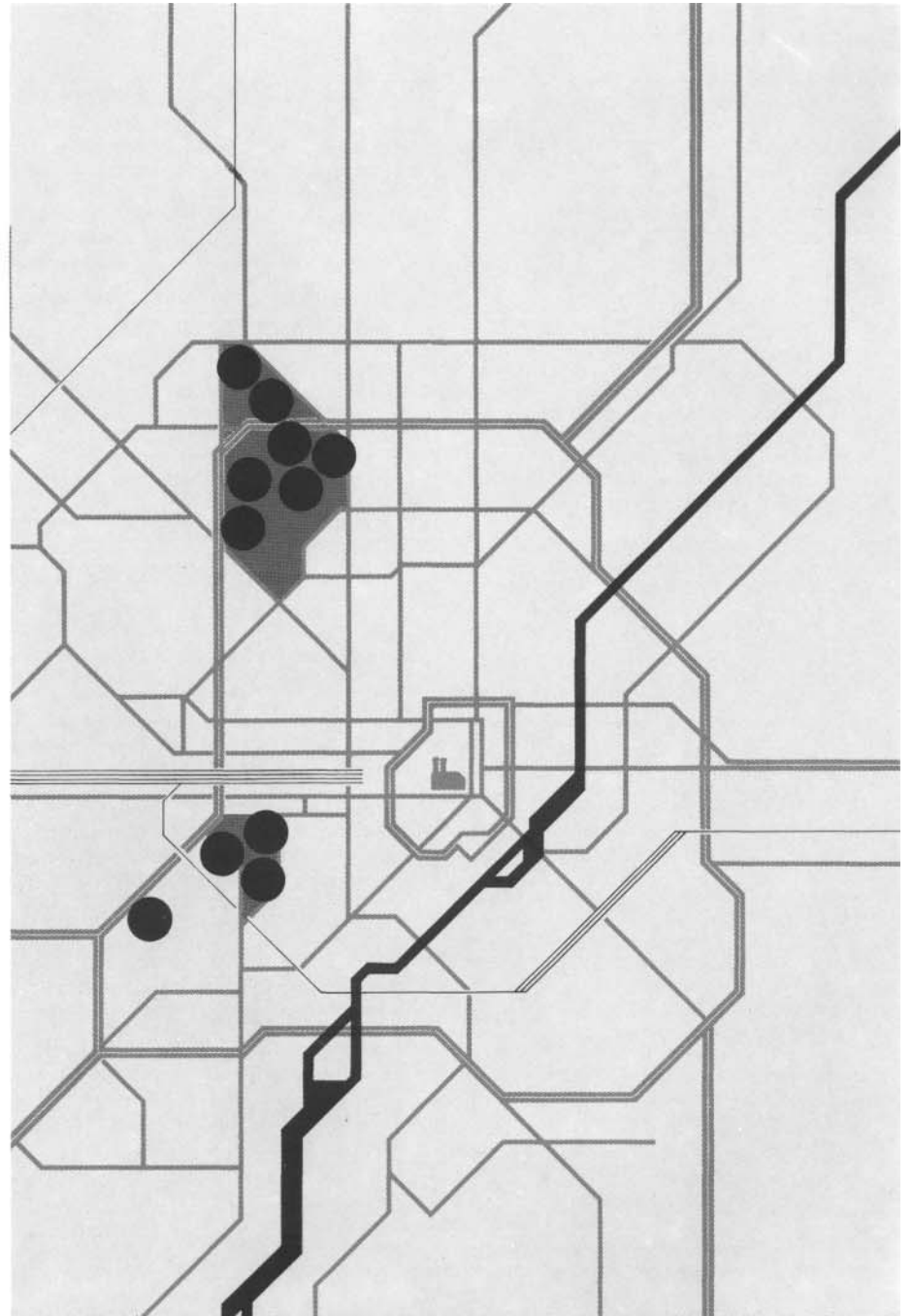
In the following time a series of negotiations which extended until the middle of 1970 took place with the Fair and Exhibition Co. Ltd. and the City of Munich as the main parties. Just two years before the beginning of the Olympic Games time was pressing in regard to determining the location for the wrestling matches. The delays resulted in no small measure from the plans of the Fair and Exhibition Co. Ltd. for a reorganization of the exhibition grounds and thus it feared that the construction of a single new hall might prejudice against all eventually planned building measures. During a very long conference on June 10, 1970 and after extensive discussions and evaluation of possible locations, because of pressing sports reasons the supervisory board of the Fair and Exhibition Co. Ltd. decided to build a hall measuring 70 meters by 80 meters between the existing halls 12 and 16 on the fair grounds.

Thanks to this decision, a site was found for the sport discipline of wrestling. In the meantime a new situation resulted during the sixth session of the sport commission of the OC in regard to judo. Hall 16, which had already been chosen as the location for the Olympic judo tournament, appeared to be too small to the International and National Judo Federation. During extensive negotiations with the International Judo Federation on November 1, 1970 the OC decided that the Olympic judo tournament in the six different weight classes would be completed in six days; on four of these six competition days the newly built hall on the fair grounds for wrestling would be used when there would be no matches; one contest day would have to take place in the basketball hall and one day in the boxing hall (ice sports hall).

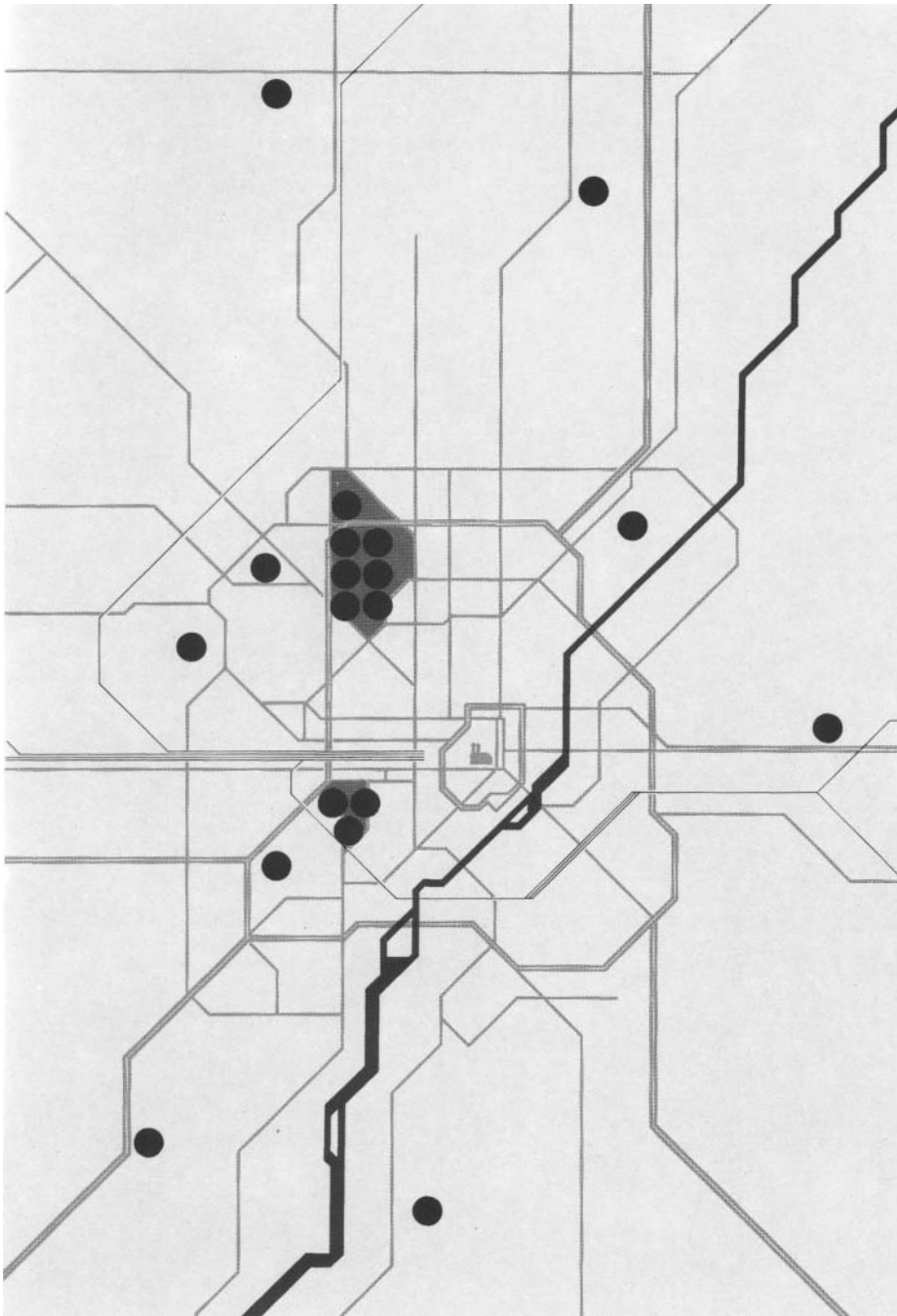
At this time, no other solution could be found since the executive board of the OC could not be expected to agree to building another new hall for the Olympic judo event because of financial reasons and deadlines. After the International Judo Federation agreed to stage its events on six competition days in three different locations, the executive board of the OC finally determined the assignment of contest sites for wrestling and judo during its twenty-first session on January 8 and 9, 1971. Thus every contest site for the ten Olympic indoor sports events was determined finally about eighteen months before the start of the Olympic Games.



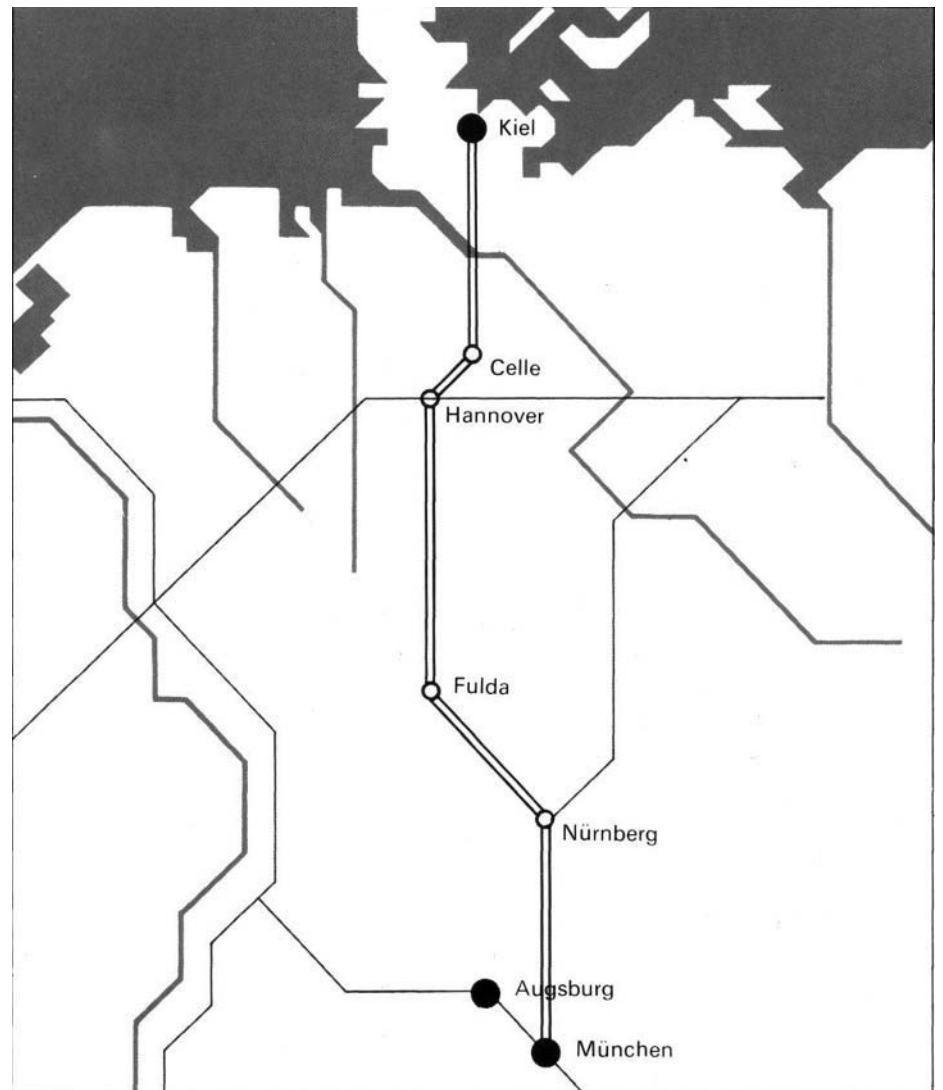
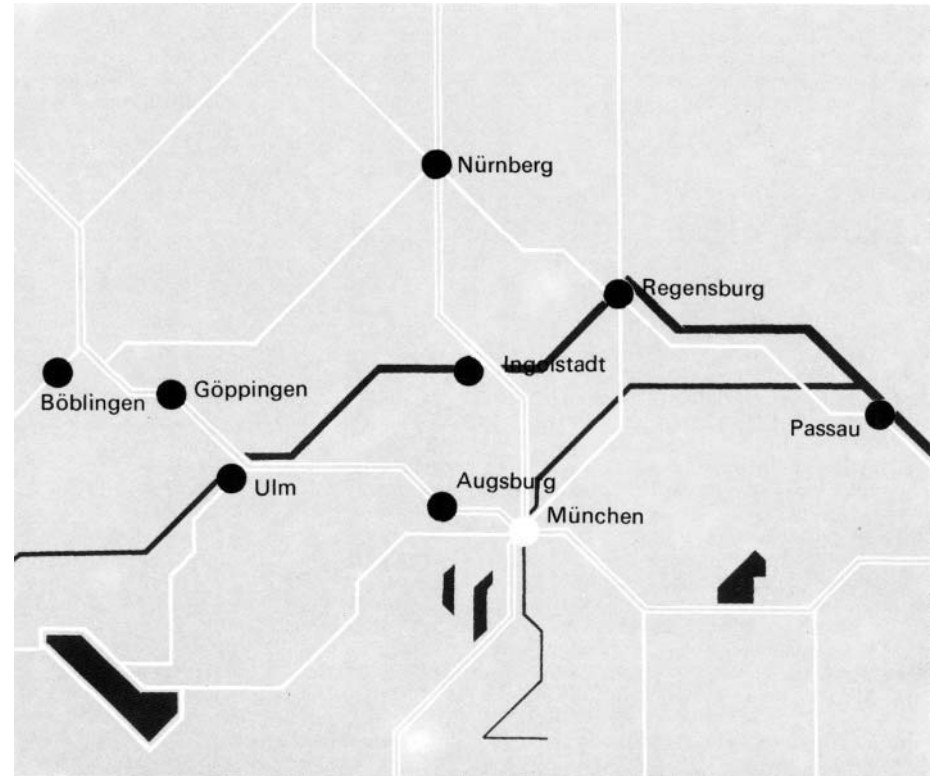
Overall situation of potential sport sites for contests and training in Munich at the time of the city's application in 1966.



The two contest centers at Olympic Park and the fair grounds were exceptionally well accessible by public and private transportation.

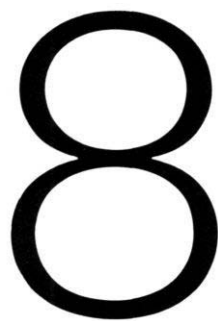


The final location of the Olympic contest sites in Munich.



Location of the contest sites for the Olympic tournaments in football and handball outside of Munich.

Situation of the Olympic cities of Munich, Augsburg and Kiel within the Federal Republic of Germany.



8.1 General Notes

In addition to the previously described general planning, the OC was also responsible to prepare the general organization and the carrying out of the sports competitions in the twenty-one Olympic disciplines. The following pages will provide as complete a summary as possible of the general preparations. The necessary coordination with a large number of organizations and institutional duties that are common to all branches of sports will be handled broadly in the first section. A second section covers the various preparations within the individual disciplines.

To handle the organization and the preparatory work on the sports level a permanent staff of 100 persons was required within the OC at the beginning of the Olympic Games. For shorter periods, lasting from a few days to several months, the OC needed about 2,500 co-workers to carry out the sports competitions.

8.2 The General Preparations

In its six-year preparation period, every OC has to cooperate closely on the sports level with the general secretariat of the IOC, all the international sports associations whose disciplines are on the Olympic program, and all the NOCs. The sooner the OC begins with this cooperation, the more time remains for a resolution of the difficult problems - which are different for each organizer of the Games — that is balanced, well founded, and has been considered by all the partners.

8.2.1 The International Olympic Committee

According to the statutes and rules of the IOC, a large number of duties of the OC related to sports must be discussed and decided upon with the boards of the IOC. The following questions are involved in particular:

- the date and length of the Olympic Games (Article 51, IOC Statutes),
- the sports program of the Olympic Games (Articles 30 and 31, IOC Statutes),
- qualifications for the participants at the Olympic Games (Articles 26 and 27, IOC Statutes),
- doping and its control at the Olympic Games (Article 26, IOC Statutes),
- recognition and admission of the National Olympic Committees (Article 24, IOC Statutes).

Besides that, the IOC had to make all final decisions necessary in the event of a difference of opinion among the International Sports Associations, or between the NOCs and the OC. This follows from various regulations of the IOC Statutes, e.g. articles 38, 40 and 53.

The organizers of the Olympic Games are required to report on the status of their preparations at the annual meetings of the IOC. The OC gave its first major report on the occasion of the Games of the XIXth Olympiad in Mexico City in 1968. The timing was especially appropriate since the Games of the XIXth Olympiad were about to begin, the organizational preparations of the Mexican OC were completed, and the OC for the Games of the XXth Olympiad had to have completed the first two-year phase of the preparations, since the Games had been awarded two years earlier.

After that, the OC was required to report to the IOC annually on the progress of the preparatory work and the execution of various IOC directives. This took place at the meetings of the IOC in 1969 in Warsaw, in 1970 in Amsterdam, and in 1971 in Luxembourg. At the XIth Winter Olympic Games in Sapporo, in February, 1972, the OC presented a final, summary report.

The form in which the reports were presented was left up to the OC. The OC normally sent all the IOC members written bulletins in the required languages, supplemented as far as necessary by films and map tables, etc. A delegation of the OC, composed each time of six members, answered questions by the executive committee of the IOC, as well as by all the members.

The usual contact for the OC was the general secretariat of the IOC in Lausanne. Both directors of the general secretariat aided the OC from the beginning in word and deed. Thus, there were one or two extended meetings annually with the technical director, at which the content of the technical bulletins, the registration, the doping and sex control, etc. were discussed from the point of view of the final jurisdiction of the IOC.

This will be illustrated by individual examples in the treatment of the OC's preliminary work.

8.2.2 The International and National Sports Associations

According to Article 38 of the IOC Statutes, the international sports associations, as commissioned by the IOC, are responsible for the orderly preparation and carrying out of the Olympic Games in the sports disciplines appearing on the program. For this reason, the OC sought to maintain close connections with the competent representatives of the international sports associations from the very beginning.

In the preparatory stage of the work, each international sports association whose discipline was on the program of the Olympic Games nominated two responsible representatives, usually the president and his secretary general. They came to Munich at intervals in the years 1967 to 1971 to check on the progress of the preparatory measures, which were mostly matters of construction at first, and to make the necessary technical decisions for the preparation and carrying out of the competitions.

Immediately before the beginning of the Olympic Games, the international sports associations nominated their two technical delegates. These normally came from the presidium or the executive board of each association. In canoeing, riding and swimming, the OC permitted each of the associations involved to nominate a total of three technical delegates because of the three distinct individual disciplines involved in their sports, or because of the spatially separated competition sites. In particular, the OC discussed the following matters with the international sports associations:

- the program and schedule of the Games;
- the location of the competition and training sites;
- the space and functional programs for the competition and training sites;
- the selection of the equipment for competition and training;
- the content of the technical bulletins;
- the accommodations, transportation, uniforms, and IDs for the representatives of the international sports associations;
- the selection of the jury members and referees;
- the determination of the qualifying norms in a series of sports;
- the drafting of the competition and reporting forms;
- the determination of the details of the doping control;
- cooperation in the formation of the daily schedules;
- the preparation of the conventions of the international associations;
- the general care and cultural program for the international associations;
- the early inspection and approval of the competition and training sites after they were finished and completely equipped.

Cooperation was heightened not only by the visits to Munich of the president and secretary general of each international sports association, but also at continental or world championship competitions in the various sports. The OC was of the opinion that effective preparation was dependent upon its principal co-workers responsible for sports acquiring the requisite knowledge of the precise specifics of each Olympic sport by studying large international sports events, such as previous Olympic Games, world cup competitions, continental games and continental championships. This was indispensable for fruitful cooperation with the experts of the international sports associations.

Since the organization of International Sports Associations met annually for a period of several days, and almost all the presidents and secretaries general of the international sports associations participated in these meetings, there were always welcome opportunities for the OC to discuss general matters with the representatives of these organizations. From 1969 on, the OC presented a report at the meetings of the international sports associations in the individual Olympic sports. This report was at first oral, and then from 1970 on, written.

This harmonious cooperation was responsible for the fact that the international sports associations agreed to recognize a grace period of two and a half years before the Olympic Games in Munich for the delayed application of changes in their competition programs and their regulations and ordinances, as far as these might affect the work of the OC.

The German national sports associations proved to be extremely valuable and useful partners of the OC in making contact with the international associations as well as during the entire preparation time up to the Olympic Games. The German associations shared their experience in organizing large international championship competitions with the OC. Still more, they placed particularly experienced and capable expert at the disposal of the OC as full-time co-workers for several years. On the basis of such co-operation among the various international and national associations and the OC, all the problems that occurred (in all the Olympic sports) were solved conscientiously in the preparation phase with outstanding success.

8.2.3 The National Olympic Committees
In the first three or four years of preparation for the Olympic Games, it was hardly necessary for the OC to get into contact with the approximately 125 NOCs. The OC was only obliged to inform the NOCs continually, in an appropriate manner, of the status of the preparations and of the particular characteristics of the approaching Olympic Games. The more intensive this information was, in the form of bulletins and other written communications, the more understanding became the mutual cooperation. As with the international sports associations, the OC used every opportunity to present appropriate written and oral reports at meetings of the NOCs.

In order to insure especially close co-operation from the very beginning, the OC urged the NOCs to appoint their attaches, in accordance with Article 46 of the IOC Statutes, and to send them to Munich as soon as possible, in as far as they did not already reside in Bavaria, so as to guarantee a continuous flow of information between the OC and NOC. At the proper time before the Games, in accordance with the IOC Statutes, the OC invited, in the prescribed form, all the NOCs recognized by the IOC to the Games of the XXth Olympiad. The president, the vice president and the secretary general of the OC delivered these invitations personally to almost all the NOCs. This occurred either during visits by the representatives of the NOCs in Munich, or at continental championships - as at the Asian Games in December, 1970, in Bangkok, and at the Pan-American Games in mid-1971 in Cali.

8.2.4 The Technical Bulletins
According to the IOC Statutes, the organizer of the Olympic Games is required to publish so-called competition-explaining brochures (technical bulletins), normally at the latest about a year before the beginning of the Olympic Games. They are published in the IOC languages, English and French, as well as in the language of the host country.

After studying the technical bulletins of the Olympic Games in Mexico City and Tokyo, the OC first worked out a basic scheme, similar in steps for all sports to achieve the maximum possible unity among the twenty-one brochures. Of course, the peculiarities of particular sports had to be worked into the appropriate technical bulletin separately, such as the drawings for the required exercises for men and women in gymnastics.

In order to facilitate examination of the content of all the technical bulletins by the IOC and the various international sports associations, the OC first put together the German text of these twenty-one brochures from 1970 on. For this reason, the previously mentioned deadline of two and a half years before the beginning of the Games, after which changes in the regulations and ordinances of the international sports associations were no longer possible, was an essential prerequisite for a meaningful beginning of the work on the content of the technical bulletins.

Upon completion of the German text, the OC began without delay to translate it into English and French. The drafts were then sent to each of the respective international sports associations with a request for critical examination, correction and approval. With few exceptions, the process of ratification by the international sports associations was completed so promptly that the IOC was able to examine the first printed designs of the technical bulletins in two sports, and, in general, accept them at its meeting in the autumn of 1971 in Luxembourg. The minor changes demanded by the IOC were incorporated by the OC that same autumn. Printing of the technical bulletins thus began so promptly that the first half of the technical bulletins could be sent to all the NOCs, the members of the IOC and the respective sports associations before the end of 1971. The remaining technical bulletins were in the hands of the same recipients by April, 1972. Only the brochures on gymnastics, with their especially difficult drawings for the required exercises for men and women, could not be completed and sent out until one month later.

The content of technical bulletins was laid out such that the names and abbreviations of all the NOCs were followed directly by the personnel chart of the IOC including the board of directors and all members. Every brochure also included the personnel chart of the OC — the board of directors and the individual department directors. In addition, they included the organization direction of the respective sports association together with the name and address of the president, the secretary general and the technical delegates, as well as the name and address of the president and secretary general of the respective national association. Finally, there followed the address, the telephone and telex numbers as well as the telegram address of the OC and the names of those in charge of sports in general and for the respective discipline. In the individual sections of the brochures, the OC gave information about the sports discipline under consideration, excerpted the most important rules from the general regulations for competition, and gave an exact account of the individual competitions and norms for qualification as well as the number of participants permitted in both the individual and team competitions. In accordance with the dates laid down in the IOC Statutes, every technical bulletin indicated precisely the time period for entries, the prerequisites for the doping and sex controls and — as far as required — individual contest regulations. The precise schedule to the hour was contained in the text of the brochures as well as the directors of the competitions and the legal remedies against decisions of the same. The conclusion of the book consisted of the awards prescribed by the IOC Statutes, more precise details on conventions planned by the international sports associations, and everything worth knowing about the contest and training sites, as well as the date of the ratification by the international association. In an appendix, the OC had added general information about the Olympic city, Munich, and its climate, e.g. temperature, humidity, sunshine and precipitation statistics and wind conditions.

The work of coming up with a proposed draft was rather simple for the OC wherever the pertinent rules and statutes of the sport were available. The rules and statutes of all the national sports associations were naturally of aid, since they were normally developed in accordance with the principles of the international regulations.

The translation of the German text into the two IOC languages, English and French, proved difficult because only seldom were translators available who, besides having excellent knowledge of the languages, were also familiar with the jargon of the respective Olympic sports. The OC had the best experience with women translators whose mother tongue was English or French, and who had acquired the requisite knowledge of the technical terms by years of translating the correspondence with the international sports associations. Nevertheless, the experts of the international sports associations as a rule had to reword precisely the special, technical sports expressions.

8.2.5 The Conventions
Nearly all the international sports associations whose discipline was on the program of the Games, used the festival of the Olympic Games to hold their conventions in Munich. The OC started early, about mid-1970, to collect the necessary information from the individual international sports associations by questionnaire.

On the basis of the notifications from the associations, the OC strove to find an adequate convention center, determined the technical installations needed for holding the conventions, and provided the necessary prerequisites for the accommodation, transportation and care of those convention participants who neither belonged to an official delegation of a team, nor had been nominated as referees or jury members for the Olympic Games by the international sports associations.

As regards the convention center, the OC negotiated with a series of hotel concerns in Munich, who had adequate convention rooms in their well appointed hotels. Nevertheless, the OC considered, first from considerations of cost, a series of rooms at the Munich fair grounds, until the decision was made for the Hilton Hotel. This decision recommended itself because all the representatives of the international sports associations, i.e. the presidents, secretaries general and technical delegates, as well as other executive board members as desired, could be accommodated in this one hotel.

The OC had to install in the various convention halls all the technical installations requisite for the smooth running of the conventions. Because a number of conventions were to be held simultaneously, the OC needed four separate meeting halls, each with provision for simultaneous translation into a total of six languages. Then came additional technical apparatus, such as duplicators and typewriters. For translations on the total of 22 convention days the OC employed 112 highly qualified simultaneous translators who translated into English, French, Russian, Japanese and German. The work of the translators was generally praised by the sports associations.

The OC had written to all the NOCs in plenty of time and offered to find accommodations in Munich for convention participants. This involved those people for whom the OC had not yet had to find accommodation as it had for those in Munich in an official capacity in the Olympic Village, or in the hotel for the international referees and jury members, or in the Hilton Hotel.

A total of 32 conventions and 32 meetings were held in the Hilton Hotel. Participants at the conventions numbered 4,925; at the same number of meetings 1,059 persons were present. A total of about 6,000 delegates met in the Hilton convention center during the 22 meeting days. One must keep in mind, however, that a substantial number of delegates took part in various conventions and meetings.

Transportation for the convention participants was difficult to arrange because they were staying in different hotels, pensions and even private quarters. Because of the central location of all the quarters, the OC, therefore, offered the delegates free use of the public transportation system and provided the necessary charts and schedules for their information. In addition, the OC set up a bus transport system from the Olympic Village and from the referees' center in Hotel Schwababylon to the convention center in the Hilton Hotel.

Finally, the OC made it possible for the convention participants to visit the events in their sports discipline by offering tickets for sale to those delegates who could not lay claim to IDs of categories A through D according to the IOC Statutes. The convention participants made avid use of this opportunity.

To attend to the delegates and to the organization and functioning of the conventions, the OC employed four persons full time and four for a short term. The miscellaneous foreign language duties were taken care of in an exemplary manner by two chief hostesses and twelve hostesses serving in shifts.

8.2.6 Registration

The registration coordination was an essential component of the orderly preparation and holding of the Olympic Games. Of particular significance to the OC for the organization of the athletic competitions and for assigning quarters in the Olympic Village were the registrations to be received from the NOCs.

The IOC Statutes spell out in detail the exact deadlines for handing in the various registrations. First of all, the NOCs had to give the OC the probable number of participants in all the sports in which they wanted to compete at the Olympic Games. The minimum period of eight weeks before the beginning of the Olympic Games that was prescribed by the IOC Statutes gave the OC leave to set the deadline of midnight, June 30, 1972.

Proceeding from the number of places registered, the NOCs had to report the names of participants ten days before the first day of competition in each of their respective sports. These deadlines ranged from August 15 to August 25, 1972. The precise dates were given exactly in the technical bulletins for the various sports.

The OC was very interested in getting, as soon as possible, at least an approximate estimate of the number of participants to be expected at the Olympic Games. These declared estimates permitted the OC to fix roughly the duration of the individual competitions as it worked out the schedule.

They were also important, as a confirmation of the OC's original estimate, for the determination of the capacity of the Olympic Village.

Therefore, the OC sent out to all the NOCs already in 1970 a standard form with the request that they register, provisionally and without obligation, the number of participants in each individual sport. All the team sports were omitted from this registration, since the number of the participating teams and the maximum number of athletes permitted were already exactly determined in these events. There were few responses from the NOCs in 1970. Only about 50 of the approximately 130 NOCs fulfilled the request of the OC. In the case of many NOCs, even an approximation of the number of participants to be expected was impossible at such an early date, partly due to uncertain financing.

The return of the second questionnaire, in 1972, was far better. The OC received about 100 responses to this second request, so that worthwhile conclusions could now be drawn for the scheduling and the quarters in the Olympic Village.

About 50 NOCs registered the number of participants as from one to 50. Twenty NOCs each replied with participants numbering between 51 and 100, or over 200. Fourteen NOCs registered team memberships between 101 and 200 athletes. The resulting rough total calculation indicated that the OC was correct with its original estimate of a maximum of about 9,000 participants and around 3,000 officials.

In the second half of 1971, the OC designed the forms required for the registrations by numbers and by names. From considerations of time, the OC strove to make use of modern technical knowledge as far as reasonably possible. In designing the forms, it had to see to it that the forms contained the information required for storage in the electronic data processing system. Thus it was necessary to put up with certain extra structures of the forms that, unfortunately, made them more difficult for the NOCs to fill out.

For the numerical registrations there was normally only one form for each sport since the NOCs had to write in only the number of athletes to be expected in each individual discipline of the 21 Olympic sports. For light athletics and swimming however, two forms each were required, because of the large number of individual disciplines. The OC also printed the maximum number of participants in each sport and each individual event on the forms to give the NOCs additional information. Since in several sports, e.g. light athletics, swimming, shooting, cycling and canoeing, the individual athlete could start in several different events, the OC asked for the exact number of athletes in question for the event on its numerical competition forms, without taking into account the double starters. Otherwise, there was the danger that the numerical registrations could lead to false conclusions.

At the beginning of April, 1972, the OC sent all the NOCs the forms for the

numerical registrations. Every NOC then had at least three months available to fill out and send in the forms. The OC had to take care that there was the possibility of proving the prompt mailing and receipt of the forms in the event that one of the NOCs missed a deadline later on. The OC took precautions in three ways:

All mailing were sent registered.

Included in such mailing was a form acknowledging receipt that each NOC was to fill out and send back.

All mailing were sent "return receipt requested", i.e. the postal authorities of each country had to give written certification of the delivery to the respective NOC and send the receipt back to the OC in Munich.

Thus the OC could give absolute proof of the prompt mailing and of the receipt of the forms by the NOCs. When the acknowledgement of the NOCs or the return receipt of the official postal authorities had not reached the OC within a month, the OC registered a complaint or mailed the registration forms again with the same formalities, in these few cases.

The OC had informed all NOCs extensively, in letters and with the aid of examples, about the method of filling out the forms and about the deadlines. Since the numerical registrations reflected only a certain expanded framework of the actually expected numbers of participants, the OC had asked the NOCs to send them in as promptly as possible — around the first half of June, 1972. In this case, after the numerical registrations were received, the OC could mail the already prepared forms for the names to all the NOCs immediately after the deadline for the numerical registrations. Unfortunately, only part of the NOCs fulfilled this request, so that after June 15, 1972, the registrations still outstanding had to be requested from the respective NOCs by telephone and telex. The OC repeated its reminders after June 25, 1972 to those NOCs who had turned in no registration even at this time. These reminders, brought it about that at midnight, June 30, 1972, the deadline, registrations had been received from 123 NOCs for 10,088 athletes - 1,603 women and 8,485 men - and 3,821 officials.

The last registrations reached the OC just immediately before the deadline, some only by telegram or through the representatives of the embassies or consulates in Munich. This process was permitted by the IOC Statutes. The NOCs involved were still required, however, to confirm their telegraphic registrations in writing.

Immediately upon receipt, the OC had checked the registrations received for accuracy, and had requested classification, before the deadline, by telegraph or telex, from those NOCs where deficiencies or columns not filled in on the forms indicated that additional information was necessary. The indication of the number of officials permitted by the IOC Statutes was especially a subject for clarifications.

This number depended on the total number of athletes registered, a fact that was often ignored.

An exact synopsis of the numerical registrations is given in the following list:

**Numerical
Registrations**

Country		Men	Women	Athletes Total	Officials	Delegation Total
AFG	Afghanistan	15	0	15	2	17
AHO	Netherlands Antilles	4	0	4	2	6
ALB	Albania	5	0	5	7	12
ALG	Algeria	3	0	3	5	8
ARS	Saudi Arabia	12	0	12	9	21
ARG	Argentina	106	5	111	57	168
AUS	Australia	235	71	306	62	368
AUT	Austria	185	35	220	82	302
BAH	Bahamas	25	2	27	17	44
BAR	Barbados	22	7	29	20	49
BEL	Belgium	127	23	150	58	208
BER	Bermuda	23	5	28	21	49
BIR	Burma	27	0	27	9	36
BOL	Bolivia	13	0	13	14	27
BRA	Brazil	86	3	89	46	135
BUL	Bulgaria	166	28	194	65	259
CAN	Canada	181	60	241	87	328
CEY	Ceylon	4	0	4	3	7
CGO	Congo	7	0	7	1	8
CIV	Ivory Coast	24	1	25	11	36
CHA	Chad	2	0	2	4	6
CHI	Chile	20	3	23	9	32
CMR	Cameroon	24	4	28	17	45
COL	Columbia	63	4	67	23	90
COR	Korea	34	12	46	22	68
CRC	Costa Rica	7	1	8	5	13
CUB	Cuba	191	52	243	71	314
DAH	Dahomey	7	0	7	7	14
DEN	Denmark	143	20	163	63	226
DOM	Dominican Republic	20	0	20	10	30
ECU	Ecuador	12	1	13	8	21
EGY	United Arab Republic of Egypt	38	1	39	18	57
ESP	Spain	185	9	194	69	263
ETH	Ethiopia	36	0	36	19	55
FIJ	Fiji Islands	2	0	2	2	4
FIN	Finland	176	31	207	68	275
FRA	France	255	42	297	90	387
GAB	Gabon	2	0	2	4	6
GBR	England	252	76	328	103	431
GDR	German Democratic Republic	292	76	368	104	472
GER	Federal Republic of Germany	411	124	535	134	669
GHA	Ghana	39	3	42	21	63
GRE	Greece	99	6	105	41	146
GUA	Guatemala	8	2	10	4	14
GUY	Guyana	19	2	21	10	31
HAI	Haiti	6	2	8	8	16
HBR	British Honduras	2	1	3	1	4
HKG	Hong Kong	10	0	10	13	23
HOL	Netherlands	155	46	201	72	273
HUN	Hungary	227	67	294	96	390
INA	Indonesia	7	3	10	11	21
IND	India	61	0	61	29	90
IRL	Ireland	72	11	83	47	130
IRN	Iran	47	0	47	68	115
ISL	Iceland	28	4	32	11	43
ISR	Israel	29	7	36	14	50
ISV	Virgin Islands	20	4	24	16	40
ITA	Italy	275	51	326	99	425
JAM	Jamaica	39	21	60	30	90
JPN	Japan	165	45	210	76	286
KEN	Kenya	70	4	74	27	101
KHM	Cambodia	9	1	10	10	20
KUW	Kuwait	6	0	6	7	13
LBA	Libya	7	0	7	9	16
LBR	Liberia	9	0	9	7	16
LES	Lesotho	3	0	3	4	7
LIB	Lebanon	28	0	28	18	46
LIE	Liechtenstein	8	0	8	7	15
LUX	Luxembourg	18	2	20	16	36
MAD	Madagascar	14	0	14	10	24
MAL	Malaysia	50	3	53	25	78
MAR	Morocco	56	4	60	29	89
MAW	Malawi	13	2	15	12	27
MEX	Mexico	192	26	218	72	290
MGL	Mongolia	48	3	51	25	76

Numerical Registrations

Country		Men	Women	Athletes Total	Officials	Delegation Total
MLI	Mali	22	0	22	13	35
MLT	Malta	9	0	9	6	15
MON	Monaco	5	0	5	9	14
NCA	Nicaragua	7	1	8	9	17
NEP	Nepal	4	0	4	2	6
NCR	Nigeria	33	14	47	22	69
NIG	Niger	4	0	4	7	11
NOR	Norway	181	20	201	67	268
NZL	New Zealand	89	7	96	45	141
PAK	Pakistan	37	0	37	10	47
PAN	Panama	7	0	7	7	14
PER	Peru	23	6	29	16	45
PHI	Philippines	62	0	62	25	87
POL	Poland	326	50	376	106	482
POR	Portugal	41	1	42	28	70
PRK	D.P.R. Korea	113	28	141	51	192
PUR	Puerto Rico	90	12	102	30	132
RHO	Rhodesia	38	6	44	23	67
ROC	Republic of China	27	7	34	20	54
ROM	Romania	184	48	232	77	309
SAL	El Salvador	11	0	11	4	15
SEN	Senegal	42	0	42	19	61
SIN	Singapore	5	2	7	9	16
SLE	Sierra Leone	6	0	6	7	13
SMR	San Marino	8	0	8	10	18
SOM	Somalia	6	0	6	7	13
SUD	Sudan	33	0	33	17	50
SUI	Switzerland	160	29	189	75	264
SUR	Surinam	4	0	4	4	8
SWE	Sweden	192	41	233	78	311
SWZ	Swaziland	4	0	4	2	6
SYR	Syria	7	1	8	9	17
TAN	Tanzania	17	0	17	6	23
TCH	Czechoslovakia	187	43	230	79	309
THA	Thailand	34	1	35	23	58
TOG	Togo	8	0	8	12	20
TRI	Trinidad and Tobago	20	1	21	16	37
TUN	Tunisia	40	0	40	18	58
TUR	Turkey	81	3	84	44	128
UGA	Uganda	37	3	40	20	60
URS	USSR	382	119	501	127	628
URU	Uruguay	28	5	33	25	58
USA	USA	369	100	469	156	625
VEN	Venezuela	38	4	42	22	64
VNM	Vietnam	8	0	8	8	16
VOL	Upper Volta	2	0	2	6	8
YUG	Yugoslavia	161	31	192	61	253
ZAM	Zambia	12	4	16	11	27
		8485	1603	10088	3821	13909

The total sum of 13,909 athletes and officials surpassed the expected total of about 12,000 athletes and officials by more than 10%. However, the OC was aware that the numerical registrations were always inflated, and that there would normally be between 15 and 30% fewer to register when the names came in. That is because, at the time of the numerical registration about eight weeks before the beginning of the Olympic Games, the qualification competitions or the national championships in several sports were often not yet finished. The NOCs carefully registered a maximal total number of athletes and then corrected the sum upon registering the names.

The OC was able to examine the registration forms that were turned in so quickly that the forms for the registration of names, for those sports for which the NOCs had made numerical registrations, could be sent out on July 3, 1972. Thus the NOCs had six weeks to complete the difficult and time-consuming job of filling out the registration forms for the names in cooperation with the appropriate national sports associations. For this registration of names there was generally one form for every athlete, regardless of in which sport he was to start in in Munich. Besides that, the NOCs had to list the name or names of the athletes, including replacements, for each individual event in all the sports. Once turned in to the OC, these registrations were final for the Games of the XXth Olympiad. Changes, or replacement of an

injured person by an unregistered athlete, were impossible in principle; but it finally depended on whether or not the rules of the International Sports Association affected permitted replacements to be named.

The registrations of names were no longer normally sent to the OC by mail. They were most frequently turned in by the attaches, the chefs de mission or other officials of the various teams. That had the big advantage that the OC could immediately check over the forms with these representatives and clarify any difficulties right away.

The OC enforced strictly the registration deadlines foreseen by the IOC Statutes. They had been set in consultation with the respective national sports associations. For this reason, the OC did not permit late registrations. Only in those few cases where it could be proven that, despite prompt mailing, the registration had arrived late for reasons for which the NOC involved was not responsible, did the OC accept the registration as having been on time.

The exact summary of the registered participants was as follows:

Sport	Women	Men	Total
Basketball	—	192	192
Archery	40	56	96
Boxing	—	377	377
Fencing	66	244	310
Football	—	304	304
Weight lifting	—	208	208
Handball	—	256	256
Hockey	—	285	285
Judo	—	177	177
Canoeing	87	358	445
Light athletics	410	1074	1484
Modern pentathlon	—	78	78
Cycling	—	360	360
Riding	39	180	219
Wrestling	—	447	447
Rowing	—	532	532
Shooting	3	412	415
Swimming	296	523	819
Yachting	—	323	323
Gymnastics	136	129	265
Volleyball	94	144	238
	1171	6659	7830

In addition to these, there were difficulties connected with the admission of Rhodesia to the Olympic Games. After numerous African NOCs expressed misgivings concerning participation by Rhodesia and the final decision of the IOC was not made until August 22, 1972, the OC had to admit on short notice, several more African NOCs which had at first held back their registrations pending the decision of the IOC.

Because of the staggered registration of the contestants by name, in each case ten days before the first competition, the OC was always able to check out the registrations immediately together with the authorized representatives of the international sports associations, clarify any confusion right away with the team in the Olympic Village, and guarantee the preparation of the starting lists for the competitions by the electronic data processing system.

The final number of participants registered came to 7,830 -1,171 women and 6,659 men. The estimate of about 9,000 athletes that the OC used as the basis for planning the competitions and the Olympic Village was not reached. The planned capacity of the Olympic Village was completely adequate for the participants and officials. The schedule of the program of competitions did not need to be extended. The punctual carrying out of the Games of the XXth Olympiad was guaranteed without haste or pressure.

The strict execution of all the registration work, which had been planned in consultation with all the NOCs and guaranteed by an adequate staff, allowed the OC to make optimum preparations on all levels for the assignment of quarters in the Olympic Village and for the smooth running of the competitions. During the period from August 1 to August 31, 1972, twenty people were employed for the extensive duties in the area of registrations. The harmonious cooperation with all the participating teams in this area which is so important for the organization of Olympic Games can here be recorded with gratitude.

8.2.7 Sex and Doping Control
The IOC demanded for the first time at the Xth Winter Olympic Games in Grenoble and at the Games of the XIXth Olympiad in Mexico in 1968 that the organizers carry out the sex control and a considerable number of doping controls. The IOC had established a medical commission for this purpose. The organizers in Grenoble and Mexico carried out both the sex control and the required doping controls under their direction.

For the best possible preparation of these examinations at the Games of the XXth Olympiad 1972 in Munich, the OC sent a member in 1968 to the medical commission of the IOC. Beyond that, the OC studied the processes of the doping and sex controls at the Olympic Games in Mexico.

The OC began very early with the medical preparation for the doping and sex controls. In consultation with the international sports associations in the framework of common discussions and meetings, it also determined in particular which athletes in the various decisive stages of each sport should be checked. In regard to the sex control, agreement was reached very quickly that it should be carried out for all female participants in the Olympic Village before the beginning of the Games.

8.2.7.1 Sex Control
The OC strove from the beginning to execute the sex control in a manner that made the examination as simple as possible for the female athletes. Following extensive medical considerations, the OC proposed to the medical commission of the IOC to carry out the sex control by the inspection of one hair of each of the women athletes. According to modern medical science, the sex of a person can be diagnosed without difficulty from the hair root just as certainly as by the usual methods.

The OC informed all teams with women participants in writing upon their arrival in

Munich that it wanted to carry out the sex control in the Olympic Village promptly before the beginning of the Games. Since the teams arrived only gradually in the first three weeks after the opening of the Olympic Village, the examinations could be held leisurely without haste. Not until the final week before the beginning of the Games, when most of the teams arrived in the Olympic Village, did the number of examinations increase considerably. By making appropriate appointments with the individual teams, however, the OC secured a smooth carrying out of the examinations without any notable time lost.

In all, 960 sex determinations were carried out. The sex control was dropped only in those cases when the women had already been examined at the Games of the XIXth Olympiad or at the preceding continental championships in light athletics and were in possession of the proper certification.

8.2.7.2 Doping Control

Medical Preparation
The committee of experts of the medical commission of the IOC decided upon the requirements of the doping analysis at a meeting in Rome on November 1, 1969. The doping analysis was divided into two parts - the screening and a subsequent confirming analysis. Confirmation of a positive indication within the screening process can best be achieved by an independent method, e.g. by mass spectroscopy, or by other spectroscopic methods when the substance sought is present in large enough doses. An additional confirming analysis can take place by multiple repeated chromatography under varied conditions, to which the development of derivatives also belongs.

Besides this determination of the analytical methods, the medical commission had also decided at a meeting in June, 1970 that about 200 samples a day should be analyzed at the Olympic Games in Munich. A larger number of analyses per day would have made things too involved in the laboratory and would have

led to the resulting consequences. The medical commission determined that the results were to be made known within 24 hours after the receipt of the urine sample by the laboratory.

The Scientific Principles

The medical commission of the IOC together with the OC of the XIth Winter Olympic Games in Sapporo and the OC of the Games of the XXth Olympiad worked out the scientific principles. These principles were contained in the doping brochure that was published before the beginning of the XIth Winter Olympic Games in February, 1972 in Sapporo. The medical commission of the IOC was responsible for the publication. The content consisted of a discussion of the doping problem by a member of the medical commission of the IOC, Professor Ludwig Prokop, and an article on methods of doping analysis by Professor Arnold Beckett, also a member of the IOC's medical commission. The brochure also contained a list of the drugs forbidden and explanations of the control process planned for the 1972 Olympic Games. These explications were divided into the selection of the athletes, the taking of the samples and their analysis, the evaluation of the results of the analysis, as well as the sanctions to be applied by the IOC in the event of their necessity.

In agreement with the medical commission of the IOC, the OC conducted the following tests:

1. the gas chromatographic screening for relatively volatile amines and amides (alkaline ether extract),
2. the gas chromatographic screening for relatively involatile phenolic amines (ether extract with pH 9.2 after hydrochlorate hydrolysis),
3. the thin layer chromatographic screening for strychnine and morphine derivatives (alkaline ether extract).

In the preparatory period of about a year, the OC employed mass spectroscopy as a confirming analysis, and modified the existing process to the combination with a gas chromatograph. In testing the active substances that came into question for use as drugs it was shown that all compounds, with few exceptions, could be detected by this combination. Therefore, the compounds in question were subjected, under projected experimental conditions — some of them after passing through the body — to gas chromatographic screening and the subsequent gas chromatographic, mass spectroscopic confirming analysis.

The Equipment

Available to carry out the duties mentioned were eight gas chromatographs with automatic injection, integrator and coupling to the computer system. These devices were equipped with a nitrogen detector whose mechanical parts were modified according to special specifications. The OC had five additional devices available, most of them equipped with the unmodified nitrogen detector, to carry out confirming analyses, as well as for the screening process in blood alcohol controls. The gas supply for these devices

was centralized, so that a rather simple supervision of the gas chromatographic equipment was possible.

For the mass spectroscopic analysis there was a combination gas chromatograph-mass spectrometer that was equipped with a special data comprehension system. This arrangement made it possible to obtain significant spectra within a few minutes after injection of the substance in question.

The Personnel

The required work was accomplished by a laboratory staff of twenty. For the maintenance of the equipment the OC employed one client service engineer each for the period of the setting up of the equipment, the preparation, and during the Games.

The personnel consisted of:

- 6 chemists
- 6 biologists
- 2 medical doctors
- 3 chemical-technical assistants
- 2 technicians and
- 1 secretary.

The Analysis of the Samples

By appropriate organization in the laboratory, the OC secured that the movement and storage of the urine samples could be controlled at all times. Essential for this was that the samples, after their receipt, were assigned a special laboratory code number determined by the date of the competition and the order of their receipt. Upon arrival of the urine samples the OC checked or noted:

- the integrity of the seal,
- the correspondence of the color with the sediment,
- the time of the arrival and
- particular occurrences, such as faulty labeling of the bottles, etc.

The laboratory analyzed the A-sample immediately. The OC stored the B-sample 48 hours in a refrigerator.

To diminish work time, the urine samples were divided into sets of twelve samples each for parallel checking by one member of the staff in accordance with the planned analysis process.

If the screening analysis indicated grounds for suspicion of use of illicit drugs, this sample was immediately removed from the normal process of analysis, the remaining urine of the A-sample was preserved and subjected to intensive investigation. Only in the presence of all chromatographic and spectroscopic data did the laboratory director decide whether or not a test should be reported to the medical commission of the IOC as positive.

Special Analysis Procedures

The test for sedatives, that was added to the program at a meeting of the medical commission on August 23, 1972, because of the demand made by the International Association for the Modern Pentathlon on rather short notice, was not, therefore, included in the above mentioned scheme of analysis. This variation in the process of

analysis was based on the chemical nature of the compounds, which required a separate handling. Besides, a thin layer chromatographic screening analysis was to be preferred to the gas chromatographic indication because of the extremely polar structure of these compounds. The testing methods followed the process known from forensic analysis and satisfied the demands raised by the IOC medical commission regarding the reliability of the indication and the clearness of identification.

The Results of the Analyses

The OC conveyed the analytical results to the chairman of the IOC medical commission or his representative.

The results of the analysis led to the disqualification of the athlete involved in seven cases.

The fourteen positive cases of the use of sedatives determined in the shooting competitions in the modern pentathlon were not further pursued by the IOC medical commission because of a demand made by the International Association for the Modern Pentathlon on the basis of contradictory interpretations of the working of its regulations.

The following table represents a summary of all the analyses done in the laboratory:

Table of Analyses

Date		Lab Nos. from to		Urin- analyses	Blood Tests
August	27th	1-001	1-108	108	59 (tested for sedatives)
	28th	2-001	2-175	175	
	29th	3-001	3-206	206*	
	30th	4-001	1-161	161	
	31st	5-001	5-177	177	
September	1st	6-001	6-180	180	4
	2nd	7-001	7-184	184	
	3rd	8-001	8-169	169	
	4th	9-001	9-145	145	
	5th	10-001	10-052	52	
	6th	11-001	11-040	40	
	7th	12-001	12-113	113	
	8th	13-001	13-135	135	
	9th	14-001	14-142	142	
	10th	15-001	15-091	91	
				2078	65

* 59 tested for sedatives

In conclusion, let it be mentioned that the setting up of a doping information center in the middle of the Olympic Village upon recommendation by the IOC medical commission proved to be worthwhile, even though the existence of this advisory center did not become well known, unfortunately, until rather late. Furnished with extensive technical literature, this consultation center was capable of giving doctors, athletes and attending personnel authoritative information on the composition of all pharmaceutical specialties.

8.3
The International Referees and Jury Members

Already in the spring of 1971, the OC achieved agreement among the international sports associations on the selection of the international referees and jury members. This selection proved to be quite exact; it varied only incidentally in the time following. A total of 1,051 referees and 224 jury members were employed during the Olympic Games in Munich. The percentage of German referees (30%) was rather high because predominantly German referees were employed for light athletics, canoe slalom and swimming. The following table represents an exact summary of the international referees and jury members in the individual sports:

International Referees					
	Germans		Germans		
	men	women	men	women	total
Light athletics	161	3	146	3	164
Rowing	30	—	1	—	30
Basketball	38	—	2	—	38
Boxing	42	—	4	—	42
Canoe slalom	92	2	42	2	94
Canoe racing	34	1	11	—	35
Bicycle racing	—	—	—	—	—
Fencing	53	2	3	—	55
Football	30	—	7	—	30
Gymnastics	57	37	16	10	94
Weight Lifting	31	—	2	—	31
Handball	29	—	9	—	29
Hockey	54	—	8	—	54
Judo	21	—	1	—	21
Wrestling	61	—	4	—	61
Swimming	180	9	50	3	189
Pentathlon	—	—	—	—	—
Riding	17	—	3	—	17
Shooting	24	—	6	—	24
Archery	9	—	—	—	9
Volleyball	34	—	8	—	34
	997	54	323	18	1051

Jury Members					
Light athletics	15	—	—	—	15
Rowing	19	1	2	—	20
Basketball	5	—	1	—	5
Boxing	25	—	1	—	25
Canoe slalom	8	—	1	—	8
Canoe racing	—	—	—	—	—
Bicycle racing	8	—	—	—	8
Fencing	12	—	2	—	12
Football	10	—	—	—	10
Gymnastics	6	1	—	—	7
Weight Lifting	8	—	—	—	8
Handball	24	—	1	—	24
Hockey	21	—	6	—	21
Judo	12	—	—	—	12
Wrestling	12	—	—	—	12
Swimming	19	—	1	—	19
Pentathlon	18	—	1	—	18
Riding	4	—	1	—	4
Shooting	7	—	—	—	7
Archery	3	—	—	—	3
Volleyball	6	—	2	—	6
	242	2	19	0	244

Part of the international referees were nominated by the international association, or predominantly by the particular national association on the basis of an allotment established by the international association. The international association determined the jury members independently, so that most of the jury members became known only after the arrival of the representatives of the international sports associations in Munich.

In accordance with the desires of the OC, the international referees generally arrived several days before the beginning of the Olympic Games to be specially prepared for their highly responsible duties in courses for which the international sports association involved took responsibility. Interpretation of rules and cooperation

among the foreign referees were the most important goals of these courses. This was to assure the objective and unobjectionable functioning of all the referees. Essentially, this goal of the OC and the international sports associations was successfully attained, although it was impossible to avoid that, to a minor extent, some decisions were made concerning which one could maintain opposing opinions.

Accommodations
The referees and jury members stayed in the apartment house "Schwabylon" in Schwabing, right near the Holiday Inn. Normally, two-bed rooms were available for the referees and jury members, but due to limited accommodations the OC put the German international referees up in triple

rooms. The apartments were modern and functionally furnished. Basic furnishings consisted of a bed, a night stand, a group of chairs, a floor lamp and a house telephone.

In accordance with the registrations of the international sports associations, the OC had undertaken to assign quarters according to sports, linguistic and national criteria. After the arrival of the referees, therefore, only in exceptional cases could their individual wishes be taken into account.

The OC had set up an official information stand in the Hotel "Schwabylon", that was open daily from 7:00 A.M. until midnight and was staffed with seven linguistically fluent co-workers and four hostesses. Upon arrival of the referees there followed the unofficial accreditation. Every referee and jury member received the necessary data, namely, an information folder containing the following:

- the authorization certificate for the ID and uniform,
- tickets for the opening and closing ceremonies,
- a ticket that entitled the holder to free transportation on all public transport within the Munich Transit Authority System,
- meal tickets that were good for all the official restaurants of the OC,
- an informative brochure about the Schwabylon,
- and city maps.

For practical reasons, one could have only breakfast in the Hotel "Schwabylon". For his breakfast ticket every referee could have a large breakfast with rolls, bread, sausage, cheese, egg, coffee, tea or cocoa. The large breakfast room of the hotel was open from 7:00 until 12:00; after the beginning of the Games, breakfast was served from 5:30 on.

Until August 20, 1972, lunch and dinner were served in the immediately adjoining Holiday Inn. At this time the official restaurants of the OC were not yet open. After August 20, 1972, the international referees and jury members had their lunch and dinner in the casino of the Bavarian Motor Works. The advantage of this arrangement was that the casino was located in the immediate vicinity of Olympic Park so that the referees and jury members employed there could have their meals between 11:30 and 2:30 and between 5:30 and 8:30 without losing much time.

The sports sites outside of Munich as well as the fairgrounds had their own restaurants in which the referees were served.

Clothes

The OC outfitted the international referees, as is customary for the Olympic Games, as follows:

- Men
- 1 blazer, dark green
 - 2 pairs of pants, gray
 - 2 short sleeves shirts, 2 long sleeves shirts, dark green
 - 1 tie, dark green/silver
 - 3 pairs of socks, dark green
 - 1 cap, dark green
 - 1 raincoat, crystal clear

- Women
- 1 blazer, dark green
 - 2 skirts, gray
 - 3 blouses, dark green
 - 1 cap, dark green
 - 3 pairs of hose
 - 1 raincoat, crystal clear

The jury recieved the same uniforms, except that the color of the blazer and other accessories was red, instead of

green, and the shirts or blouses were white.

Beyond these uniforms some referees received additional clothing that was required for the exercise of their activity.

After their arrival in Munich, the referees and jury members received their clothing in exchange for an authorization certificate in a clothing depot set up by the OC. The OC organized appropriate bus trips from the Hotel "Schwabylon" to the clothing depot and back.

Transportation

The OC was chiefly responsible for the orderly holding of all Olympic competitions. For this reason it also had to guarantee and regulate the transportation of the referees to the Olympic sports sites. In consultation with the central traffic control that had been set up within the sports department of the OC, a definite daily schedule for transportation was prepared and synchronized with the sports program. In all there were 10 large buses, 60 VW buses and 5 cars available for these runs. In case of special necessities or trips that became necessary on short notice, there was a sufficient deployable reserve available at the central traffic control or in the chauffeurs' pool of the Hotel "Schwabylon". This reserve was used again and again.

With the cooperation of the German Federal Railroad the OC had trains, on which the teams also traveled simultaneously, running on a fixed schedule to the out-of-town Olympic competition sites in football, handball and canoe slalom.

Accounting

Every referee and every jury member in the Hotel "Schwabylon" had to pay the sum of 30 DM per day for his stay in Munich. This fee was assimilated to the cost of room and board in the Olympic Village. To the extent that the name and length of stay of a referee was known to the OC before the beginning of the Games, he received an appropriate bill from the OC in June or July, 1972. In most cases, however, this was not possible because the OC very often could not determine whether the international sports association, the NOC involved, the national association or the referee himself was to pay for his stay. Then the OC presented the bill after the arrival of the referee. About 85% of the room and board fees had been paid before the departure of the international referees and jury members. The OC billed the remaining fees later.

**8.4
Competition Personnel**

**8.4.1
Competition Aides**

For the holding of the competitions in all the Olympic sports the OC needed, besides the international referees and jury members, a considerable number of competition-related personnel, called competition aides, who were assigned practical duties having directly to do with the competition. Some of these aides were active as starters, announcers, compilers of results and lists, aides in the organization office, clerks, operators of the scoreboards, etc.

To secure undisturbed running of the competitions, experienced and trained personnel had to be obtained in the selection of the competition aides. At the suggestion of the national sports associations, the OC signed up mostly the members of associations or clubs who commanded well grounded knowledge and long years of experience in their sports. They had acquired this knowledge in the same or similar areas in regional competitions as well as in larger events on the national and international level.

The OC together with the national sports associations gave consideration very early to the number of competition aides needed. The first planning of their numbers occurred in March, 1971. The final number, corresponding to the arrangements at the individual competition and training sites, was determined in the spring of 1972. The actual appointments, with consideration of the test events, were finished just shortly before the beginning of the Olympic Games in August, 1972. The total number of competition aides required was 2,328. The following summary indicates the division into the various sports:

Sport	Total
Shooting	340
Light athletics	177
Gymnastics	172
Fencing	166
Riding	165
Handball	153
Swimming	138
Archery	132
Football	130
Volleyball	90
Modern Pentathlon	82
Hockey	71
Boxing	67
Basketball	65
Cycling	59
Wrestling	56
Weight lifting	51
Canoe slalom	51
Canoe racing	47
Rowing	47
Badminton	37
Judo	32
	2328

Beyond that, a series of additional competition aides were active whose duties were not directly connected with the competitions. The following areas of activity were involved:

Information stand, Schwabylon (Referees'center)	7
Information stand, Olympic Village	43
Doping officials	23
Information stand, Hilton	9
Daily schedules and registrations	10
	92

Thus, the total number of competition-related personnel was: **2420**

The competition aides normally arrived a week before the beginning of the competitions in their respective sports. In the final days before the beginning of the competitions the OC communicated to these people the information required concerning the competition and training sites, made them familiar with the technical installations in the sports sites, and prepared them with instruction specifically oriented to their actual duties. In addition, the OC outfitted the competition aides and assigned them accommodations.

The competition aides left for their homes one day after the competitions in their sports were finished. However, the OC allowed those competition aides in whose sports the competitions were finished in the first eight to ten days of the Olympic Games to use their assigned accommodations until the end of the Games.

Accommodations

The dwellings rented by the OC for the accommodation of the competition aides were selected primarily with a view to their distance from the various sports sites. For example, the OC housed most of the competition aides employed in Olympic Park in dwellings directly adjoining the park. The quarters usually consisted of three or four-room apartments. Two or three competition aides shared a room. Competition aides living in Munich were not assigned accommodations, but stayed at home.

Food

Meal tickets were distributed to the competition aides with authorization to use one of the OC restaurants as near as possible to the competition sites. On the day of their arrival in Munich, all competition aides received all the meal tickets for the duration of their employment together with the information brochures.

If his job hindered the competition aide from going to one of the restaurants, he received a boxed lunch at a central distribution point in place of the hot meal. At the out-of-town locales for football, handball and canoe slalom, as well as at numerous training sites in and around Munich, the competition aides had to provide for themselves. In these cases, the OC allowed them the cash equivalent of the meal tickets.

8.5.3 Transportation to the Training Sites
The OC transported the athletes to the training sites primarily by bus. The OC set up bus lines to all training sites. They were mostly direct bus lines that only went to one or two training sites. In a few exceptions the buses traveled so-called circular routes which went to a large number of training sites in succession. Here it was a matter of training sites in the immediate vicinity of the Olympic Village. Right in front of the Olympic Village was a large bus station from which all buses departed. The individual buses were marked with symbols of the various sports so that every athlete could see which bus went to his training site. The transportation of the athletes to the training sites functioned without any disruptions.

8.5.4 The Transport of Equipment and the Wear and Tear on Training Sites Equipment
The transport of sports equipment to and from the training sites was mostly accomplished in the last week of July, 1972, as follows:
— by members of the army with military vehicles
— by a freight firm
— by members of the OC with VW vans
— by direct transport of the sports equipment by the supplier.

To save money, the OC arranged most of the hauling with the army vehicles. For some large equipment, e.g. the hydraulic basketball stands, the help of special freight handling vehicles (special crane truck) was required.

The suppliers delivered the boxing rings and most of the gymnastics equipment directly to the training sites and set them up there.

The wear and tear on the equipment was dependent upon the usage of each training site and the degree of use of the sports equipment provided at the training sites. It can generally be noted that the wear and tear on sports equipment was very heavy for the ball games, particularly as regards balls. The same was true of a series of track and field equipment such as javelins, discuses, hammers, cross bars, etc. All the large equipment suffered almost no wear and tear. Examples here are the boxing rings and the basketball goal supports.

8.5.5 Organization of the Personnel
For each of the 78 training sites, one or two so-called training site superintendents were appointed. The number of the personnel depended on the size of the training facility involved. The training facility superintendents had the following responsibilities:
— supervision during training
— preparation and issue of equipment
— providing the participants with drinks which were available without cost
— training facility superintendents also established a liaison between the OC and the owner and caretaker of the training facility, and were also liaison men for the athletes training.

At every training facility there was also a first aid service available that was responsible for treating any injuries that occurred. Most of the first aid personnel were supplied by the army.

For the maintenance of security at the training sites the OC had contacted the competent police authorities very early, provided them with a list of the training facilities, and requested them to watch the training sites especially well after August 1, 1972. In some cases the OC gave the police the training schedules. Cooperation with the police was excellent. There was not a single disruption of the training routine by outside forces.

8.6 The Trial Events
The executive board of the OC had emphasized from the beginning that no so-called pre-Olympic Games in 1970 or 1971 — as had been held in Mexico — would be held before the beginning of the Games of the XXth Olympiad. The sports commission of the OC at its eighth meeting, on July 26, 1971, therefore considered the question of whether it might be wise, on the basis of encouragement from the national sports associations, at least to have trial events held in the various sports. This way, not only would domestic and foreign athletes have the opportunity to get used to the atmosphere and the competition facilities in Munich, but the OC could also draw from the running of the trial events conclusions valuable for building up its own organization for holding the Olympic competitions.

The executive board of the OC, in its meetings of January 8-9, 1971, and May 24, 1971, gave general approval to this proposal of the sports commission.

In consultation with the sports associations, the OC prepared the following trial events to be held in 1971 at a cost of about a half million DM:

Cycling	May 23, 1971 (100 km team event, Munich—Lindau Autobahn) August 8, 1971 (Road racing on the Grünwald circular course) September 12, 1971 (Road racing on the Grünwald circular course)
Fencing	August 7, 1971 (Fencing tournament; fair grounds, Bavaria Hall)
Canoeing	August 21-22, 1971 (Canoe slalom, Augsburg) September 4—5, 1971 (Racing - regatta course, Feldmoching/Oberschleißheim)
Light athletics	September 3-5, 1972 (International Hanns Braun Sports Festival) September 11-12, 1971 (Men's decathlon, women's pentathlon, Marathon, 50 km walk in Munich)
Boxing	September 13-17, 1971 (International boxing tournament in Munich)

Riding	September 22-25, 1971 (Military test in Munich)
Yachting	August 28-September 4, 1971 (International Kiel Regatta of the Olympic classes)

Besides that, a series of other events in basketball, judo, hockey and volleyball provided the framework for the schooling of the referees who would later be employed as competition-related personnel in Munich.

The trial events in 1971 gave rise in different areas to critical remarks regarding the state of preparation on the organizational level. It was, however, to be noted that most of the trial events of 1971 were held either in non-Olympic competition facilities or in competition facilities that were still in a certain unfinished stage of construction.

In particular, some of the helpful technical installations, such as the print-out of results, the communications technology, the data processing, the spectator control and spectator information were replaced, to a great extent, by temporary contrivances for these trial events. Besides, considerable organizational problems arose because foreign teams very often registered for the trial events on very short notice.

It was to be welcomed that a series of trial events brought certain deficiencies in systems intended for the Olympic Games to the attention of the OC, and that the schooling of the competition-related personnel made considerable progress.

On the basis of this information, the executive board of the OC decided at its 23rd meeting, on October 11, 1971, to hold trial events in 1972 as well. It was decided that these trial events be held only at the Olympic competition facilities. The executive board thus wanted to achieve optimum preparation of the personnel to be employed at the Olympic Games and to make a final, critical inventory. It was to be determined to what extent the theoretical planning by the OC for the running of the Games would be confirmed by the trial events, or whether false conclusions would come to light.

At the same meeting the executive board of the OC approved, within the framework of the total financing, a sum of about 400,000 DM for these trial events. To the extent that additional trial events were planned by the national sports associations, they had to be held without financial participation by the OC.

At the tenth meeting of the sports commission, on May 13, 1972, the OC presented the latest program of the trial events for 1972 that were definitely scheduled at that time. According to the program, the following events were planned before the beginning of the Olympic Games:

Weight Lifting

The installation of the temporary, sound absorbing partition between the competition area and preparation rooms of hall 7 at the Munich fairgrounds turned out to be a complete success.

The remodeling of the training facilities also began on the same day. Here too, the construction was exactly on schedule.

Judo

There were plenty of organizational rooms available for the International Judo Association in the new hall. Since the Olympic tourney in wrestling was also held in this hall, the OC made sure in the planning of the hall that both the International Judo Association and the International Wrestling Association had fully separated organizational areas. The OC temporarily installed 40 dressing rooms for the athletes and an appropriate number of showers and lounges. In addition, there were two large warm-up areas of 144 sq.m. each. The referees', doctors', and VIP areas were also generously designed.

The hall was completed as scheduled on July 1, 1972.

Hall 18 of the fairgrounds was open for training from August 1, 1972. Mats were laid down on two areas, each 24 m x 50 m. The entire surface was divided into individual areas by curtains to permit individual training for all teams.

Wrestling

After the remodeling, hall 19 of the fairgrounds was turned over to the OC for completion on July 7, 1972. Then they began the distribution of the 14 training mats and their adjoining auxiliary areas. The training began as planned on August 1, 1972.

8.7.4

Sports in Munich outside of Oberwiesenfeld

Basketball

Construction of the Olympic basketball hall in the area of the district sports facility on Siegenburgerstrasse, seven kilometers from Olympic Park, began in July, 1970. Because of good weather conditions, the work had progressed far enough by the end of March, 1972, so that the hall could then already be termed ready for use.

The equipment for the Olympic basketball tourney was chosen in agreement with the International and National Basketball Associations and secured an orderly procedure of the tourney.

Four training sites were chosen in the immediate vicinity of the Olympic Village, all of which met all modern, international demands.

Archery

The Olympic competitions in archery were held at the Werneck Wiese in the English Garden. The OC planned a modern and thoroughly organized competition facility, although it was a temporary one. After the earth moving was completed, the OC began construction in spring, 1972. Particular difficulties were involved in

preparing a level, extended lawn for the competition. The OC undertook additional improvements in June and July of 1972. For the Games, the contest area was irrefragable for all participants.

Riding

The OC finished planning for the cross country event in the Riem-Poing area well in advance. The necessary construction measures, particularly the construction of the obstacles, was initiated in early summer and finished on time.

At the dressage facility in Nymphenburg Park the OC made temporary provisions for the contest and stall areas. Despite the late start of construction, in spring, 1972, all work was finished on time.

In direct association with the riding stadium in Riem, stall and training areas were erected that were available for all disciplines as of August 1, 1972. The following facilities were involved in particular:

- eight jumping areas (60 m x 110 m, or 80 m x 120 m)
- seven dressage rectangles (20 m x 60 m)
- one riding hall (30 m x 75 m)
- one riding hall (20 m x 40 m)
- one longer circle and
- one gallop track.

The accommodation of the horses in about 390 stalls was secured. Adjoining these were the hay-lofts, harness rooms and equipment rooms. In five newly constructed stables of the "Olympia" type there were dwellings built directly above the stalls for a total of 200 grooms, so that the horses could be constantly controlled without having to be disturbed. The stall and training area also included an infirmary stall in which sick or injured horses could be treated. All the installations of the university clinic were available in the event of serious sickness or injury.

The OC also had to take care that a plentiful supply of oats, hay, enriched feed, carrots and turnips was on hand for all teams for the feeding of the stabled horses.

Modern Pentathlon

In agreement with the International Association, the cross-country race was held on the grounds of Olympic Park. The starting and finish area for this race was Olympic Stadium. Thereby, this event on the final day of the pentathlon received special publicity.

The following facilities were provided for training in the modern pentathlon:

- riding facility, Riem
- exhibition hall 20
- shooting range, Hochbruck
- Michaeli Pool and swimming hall
- various facilities as in the track and field events.

Shooting

The Olympic competition in shooting was held at the very modern, newly built shooting range at Hochbruck in the north of Munich. The distance from the Olympic Village to the site of competition was about seven kilometers.

Construction work could be finished on time so that the entire facility was ready on June 15, 1972.

Official training at the new range began on August 15, 1972. For the several nations who wanted to practise in Munich before this date, there were numerous shooting ranges available in the vicinity of Munich. The OC secured transportation to these places.

8.7.5

Competitions outside of Munich

Canoe Slalom

Construction work on the canoe slalom facility at Augsburg was finished May 15, 1972. Then the OC started furnishing the individual rooms. It took control of the facility on July 1, 1972; at the same time, the OC moved into the organizational rooms.

The slalom course at Augsburg also served as a training facility; but at the beginning of training the course did not yet have gates set. Official training with gates set began on August 27, 1972.

In addition, the teams had the opportunity to use natural streams in the area for training, if desired. The OC secured transportation of the boats and participants.

In order to let the nations participating in the Olympic canoe slalom competition become acquainted with the Olympic canoe slalom facility as early as possible, the OC held international training weeks on the canoe slalom course in the months of May, June and July.

Canoe Racing

Construction work on the regatta course at Oberschleißheim was so far along in May, 1972, that the regatta basin with all its technical installations was finished, and the interior construction of the buildings approached completion in the same month. In several areas at that time, one could already begin furnishing the individual rooms. The technical installations for the course were finished and they were subjected to extensive testing in June and July of 1972.

The OC opened the competition facility for training on August 1, 1972. The course installations were prepared for rowing, since the Olympic rowing competitions began on August 27, 1972. Of the six rowing lanes, two were reserved for the canoeists. To separate these two areas, the OC installed a wave dampening device.

Rowing

The regatta course was tested by rowers in the trial event on July 22-23, 1972.

The training session began officially on August 1, 1972. The daily training period was from 8:00 A.M. to 6:00 P.M.

8.8

Summary

In the preceding expositions we attempted to describe the general and the specific preparations for the sports competitions in their essential characteristics.

One gets the impression of intensive and well planned preliminary work by the OC, which was confirmed by the irrefragable functioning of the Olympic competitions in all sports. As already indicated in the discussion of the schedule, the flexibility of the organizational personnel and the practised coordination of all the responsible people in the OC, from its head to the last competition aide, was manifest most clearly by the fact that the suspension of the athletic contests by one day, because of the lamentable events on September 5, 1972, could not impair the efficiency of the finely honed machinery of the entire organization. The OC succeeded in creating all the necessary theoretical prerequisites for holding the Olympic Games without depriving those in charge at the individual competition and training facilities of the independence that allowed them to solve all problems arising flexibly in a manner adjusted to the situation and leading to general satisfaction.

9.3.6
The Technical and Administrative Organization

The management of each team in the Olympic Village had to surmount numerous organizational tasks which could only then be solved if the OC provided suitable areas for this purpose. These are the offices for the chef de mission, for the office work of each team and for other official team aides. The number of rooms needed varied according to the size of the particular team. There had to be room for desks and file cabinets in addition to the telephone connections required.

Independent of the general medical facilities provided by the OC there are as a rule also a number of doctors assigned to each team according to the number of members. The physicians required their own treatment rooms in order to provide each team member with proper medical attention. The more generously the OC handled the distribution of rooms the less would the teams demand medical attention from the OC.

In any case the number of rooms required for the organizational and medical matters of every team is not insignificant. Thus the OC had to include these additional areas for about one hundred teams from the very beginning of planning for the Olympic Village.

On the basis of experiences made at previous Olympic Games there were no meditation rooms set up specifically for the use of every creed in Olympic Village. Rather, a hall or a larger room is sufficient and can be used in rotation by various religious communities. Naturally the athletes could also attend churches of their denomination in the city of the Olympic Games.

A medical center also had to be provided in the Olympic Village which was constantly on the alert to attend to serious cases beyond the range of the medical care provided by the individual team doctors, and could immediately take over the treatment of any resident of Olympic Village. The most advanced medical equipment is of utmost importance for the optimal furnishing of this center. In addition doctors in every specialized area must be available.

The construction of numerous saunas within the Olympic Village is necessary within the scope of the medical preparation of the athletes for their competitions. These must be sufficiently large and have modern technical equipment. The separation of the sexes is to be provided.

The OC used an information center to aid the completion of its own numerous organizational tasks within the Olympic Village. In addition to the accreditation of the arriving teams, the center also provided the necessary background information for the sojourn in Olympic Village. It proved practical to provide each type of sport appearing on the Olympic program with its own counter with linguists who were able to give each team the necessary explanations for contests and training.

9.4
The Capacity of the Olympic Village

A prerequisite for the completion of the planning of the Olympic Village was the determination in 1969 of how many athletes and officials would have to be accommodated at the Olympic Games in Munich. The OC next determined the development of the number of participants at previous Olympic Games and the number of participating countries as can be reviewed in the following chart.

The OC expected the greatest number of participants ever at the Games of the XXth Olympiad with its twenty-one types of sports and possible demonstration event.

The comparable figures of previous Olympics reveal the following results:

Number of Participants and Events at the Olympic Games
(Demonstration events included)

Olympiad		Number of Events	Number of Contests	Participating Athletes (including women)	Participating Countries
I Athens	1896	10	42	285	13
II Paris	1900	14	60	1,066 (6 women)	20
III St. Louis	1904	13	67	496 —	10
IV London	1908	21	104	2,059 (36 women)	22
V Stockholm	1912	15	106	2,541 (57 women)	28
VI Berlin	1916	cancelled			
VII Antwerp	1920	20	154	2,606 (63 women)	29
VIII Paris	1924	20	137	3,092 (136 women)	44
IX Amsterdam	1928	17	120	3,015 (290 women)	46
X Los Angeles	1932	17	124	1,408 (127 women)	37
XI Berlin	1936	22	142	4,069 (328 women)	49
XII Tokyo	1940		cancelled		
	Helsinki				
XIII London	1944	cancelled			
XIV London	1948	19	138	4,689 (385 women)	59
XV Helsinki	1952	19	149	4,925 (518 women)	69
XVI Melbourne	1956	17	145	3,184 (371 women)	67
	in Stockholm	1	3	159 (13 women)	29
XVII Rome	1960	18	150	5,337 (537 women)	84
XVIII Tokyo	1964	20	162	5,558 (732 women)	94
XIX Mexico City	1968	18	182	6,123 (844 women)	112

From this the OC developed the following estimate for the capacity of the Olympic Village (distinguished according to type of sport):

Participants	Estimated	Actual Number	Participants	Estimated	Actual Number
Basketball	290	192	Athletics	1,500	1,484
Archery	220	96	Modern pentathlon	80	78
Boxing	480	377	Cycling	650	360
Fencing	370	310	Equestrian events	250	249
Football	350	304	Wrestling	380	447
Weight lifting	220	208	Rowing	720	532
Handball	240	256	Shooting	550	415
Hockey	350	285	Swimming	710	819
Judo	300	177	Yachting	280	323
Canoeing	700	445	Gymnastics	420	265
			Volleyball	220	238

The largest occupancy of the Olympic Village was reached on August 30, 1972 with 10,562 inhabitants which was more than 11% under the maximum occupancy according to the estimate made in 1969, three and a half years before the Olympic Games.

The entire number of participants expected was thus calculated at around 9,000 to which the officials and team aides were to be added according to article 37 of the IOC Statutes. Past experience placed the ratio of athletes to officials at 3:1 so that the total number of people expected to live in the Olympic Village had to be set at about 12,000 athletes and officials in the overall planning.

For this reason it was obvious to the organizer that he would have to include certain reserves so that he would not be faced with an unsurmountable problem due to a miscalculation in the large number of participants expected. This case did not occur.

9,270 7,830



Flood lamp in Olympic Stadium

caused by turning the camera can thus be avoided. The OC put up with a slight variation of lighting intensity and set the following norms for all four directions of the playing areas:

Vertical illumination

$$g_{1v} = E_{v \min} : E_{v \text{ means}} \geq 1:2.5$$

$$g_{2v} = E_{v \min} : E_{v \max} \geq 1:2.5$$

Horizontal illumination

$$g_{2h} = E_{h \min} : E_{h \max} \geq 1:2$$

g = uniformity

E = Lighting intensity in lux

The maximal illumination intensity relation permissible within the shooting area was not less than the ratio 1 : 40. An illumination rivaling daylight with an average color temperature ranging from 5,000°K to 7,000 °K was needed at sport areas which required suitable lighting for color television where natural light or ordinary flood lighting would not suffice. Roofed sport areas, which received sufficient light during the day for television through windows or transparent roof constructions, equally needed sources of light similar to daylight.

All this was true for sport structures in Olympic Park. The OC decided on a uniform color temperature $T_n = 6,000^\circ\text{K}$, the general color rendition index came $R_a = 80$, the lighting intensity 1,875 lux (new value).

12.5.2

Installation of the Floodlights

The floodlights were installed in a manner most appropriate for each sport.

Television required a continually decreasing lighting intensity within the spectators' stands. It measured 900 lux at a height of 8 meters. This allowed the audience to take photos.

The OC equipped every floodlight installation with switching devices which could be immediately turned back on. It thus prevented sudden power failures from interrupting competitions.

It was very easy for the OC to avoid any blinding of the audience at any contest. Mechanical devices such as shutters, grills, louvers which limited the spotlights' angle of spread and did not hinder illumination of the sport areas were sufficient.

The requirements of a sport were governed by the characteristics of each type of sport. The most problematic sport areas were those which would foreseeably disturb the players either by particularities of the sport itself or by the use of equipment which had not been treated against glare.

The OC was often able to avoid blinding glare by relatively sharp lighting angles. It installed an appropriately larger number of spotlight units for the required vertical illumination intensity.

The OC needed many flood lights which shone nearly vertically and slanting to the side for the figure and high diving events. It achieved the necessary vertical illumination up to ten meters over the entire

surface of the swimming pool with them. It simultaneously eliminated any reflection from the water. The OC did not aim any spotlights on the divers because they would have disturbed the athletes' concentration.

A good contrast with the background was required on the volleyball courts. The players could not be blinded by the lights lest they no longer be able to see and return the speeding white ball. The arrangement of the spotlights had to take account of the architecture and colors of the sport area and equipment. The OC could not install any floodlights at the ends of the fields because they would have blinded the players. The OC therefore limited them to the sides. The spotlights installed on the sides nevertheless annoyed the net players. Tests during trial events made this quite clear. The OC readjusted them, provided them with shutters and painted the dark background white. Now the entire side of spotlights looked like a continuous strip of light. The grey paint at the court's ends provided sufficient depth of focus.

On basketball courts the areas under both baskets are technically difficult to light properly. The OC equipped the spotlights in this area with shutters. The choice of color for the floor was also determined by its degree of reflection.

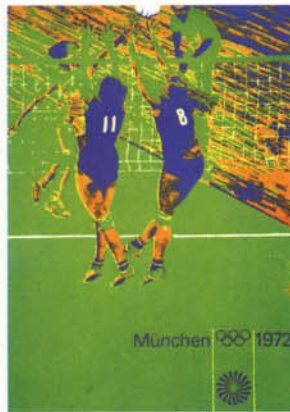
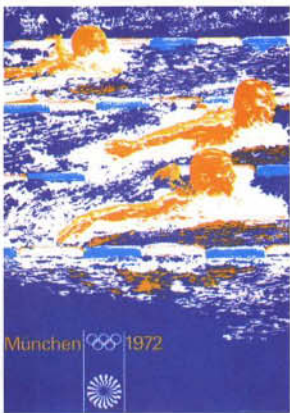
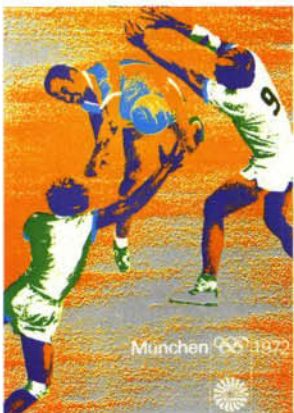
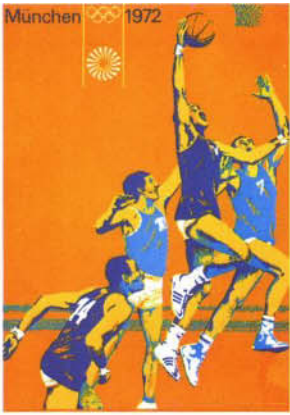
The illumination of both fencing halls presented similar problems as the basket-ball courts. The solution was also similar. The masks and weapons produced no disturbing reflection.

The technical lighting problems in the weight lifting hall were caused by architectural conditions. The OC did not want to direct any spotlights into the eyes of the weight lifters. It installed them to the sides above one another and equipped them with shutters.

No disruptions occurred while the floodlight installations were in operation.

The athletes were generally not accustomed to compete under such high intensities of lights, but no complaints were recorded. Television crews were able to produce optimal transmissions.

Posters were designed and produced for each sports discipline in which contests were held at the Games of the XXth Olympiad. An additional special poster was printed only for the track and field events.



Canoeing
Handball
Equestrian Events

Cycling
Hockey
Shooting

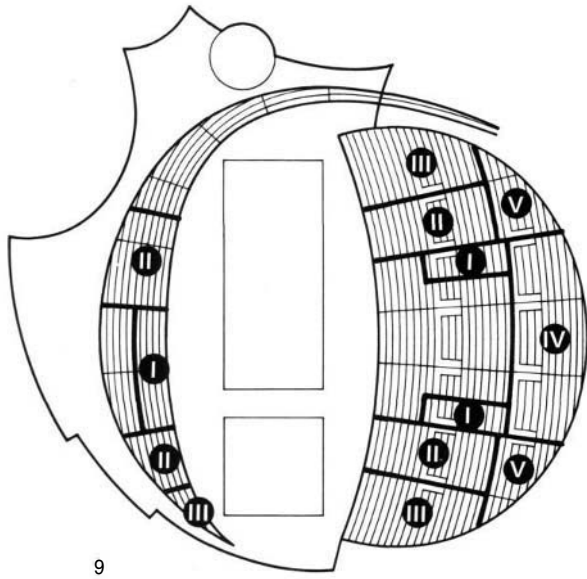
Athletics
Fencing
Judo
Archery

Rowing
Football
Wrestling
Volleyball

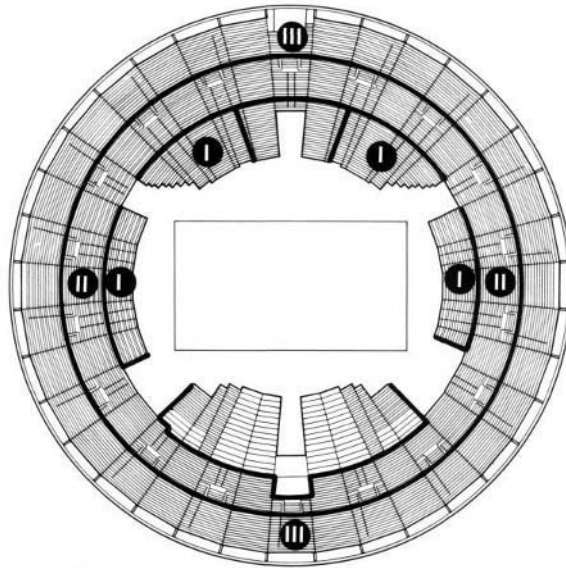
Basketball
Gymnastics
Swimming
Yachting

Boxing
Weight lifting
Modern Pentathlon
Athletics

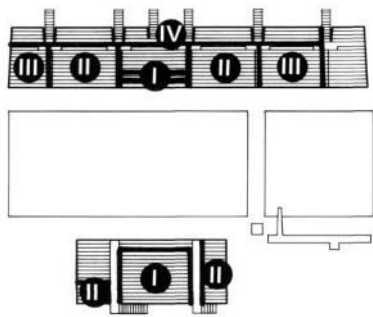
Results from the Sales of Admission Tickets to the Events of the XXth Olympiad in Munich	Event	Tickets printed	Unsaleable tickets*)	Offered for sale	Unsold tickets	Tickets sold	Receipts in German marks	Percentage sold
*) This refers partially to tickets which were distributed to short-term personnel, Munich schools, official youth camp, participants, etc. Some of these tickets were for seats with visual obstructions as well as some standing room tickets which had to be withdrawn by order of the office for public order and safety.	Opening ceremony	70.824	8.231	62.593	1	62.592	2.892.860,—	99,99%
	Athletics	1.190.289	105.844	1.084.445	2.611	1.081.834	20.122.410,—	99,75%
	Rowing	182.650	58.504	124.146	14.952	109.194	1.258.745 —	87,97%
	Basketball	165.616	8.825	156.791	17.666	139.125	1.593.490 —	88,73%
	Boxing	151.580	5.135	146.445	1.189	145.256	2.093.120 —	99,19%
	Canoeing	146.120	66.988	79.132	42.415	36.717	536.610 —	46,39%
	Cycling	42.971	2.182	40.789	1.180	39.609	508.550 —	97,10%
	Fencing	28.032	1.203	26.829	1.648	26.181	379.540 —	93,85%
	Football	770.187	188.915	581.272	126.211	455.061	4.902.530,—	78,24%
	Gymnastics	103.580	4.086	99.494	226	99.268	2.031.705 —	99,77%
	Weight lifting	49.446	5.563	43.883	10.260	33.623	376.640 —	76,62%
	Handball	115.467	3.619	111.848	9.956	101.892	1.495.080 —	91,18%
	Hockey	128.500	3.652	124.848	46.828	78.020	783.775 —	62,65%
	Judo	63.738	2.550	61.188	9.375	51.813	694.560 —	84,65%
	Wrestling	100.500	2.140	98.360	25.539	72.821	744.125 —	74,03%
	Swimming	191.368	16.668	174.700	13.611	161.089	3.149.315 —	92,32%
	Modern pentathlon	28.200	662	27.538	2.185	25.353	217.060 —	92,06%
	Equestrianevents	226.313	3.640	222.673	20.156	202.517	3.585.945 —	90,90%
	Shooting	27.000	375	26.625	6.025	20.600	206.000,—	76,84%
	Archery	8.800	308	8.492	23	8.469	84.690 —	99,73%
	Volleyball	117.880	8.633	109.247	5.901	103.346	786.155 —	94,59%
	Closing ceremony	70.824	8.104	62.720	8	62.712	2.954.060 —	99,98%
		3.979.885	505.827	3.474.058	357.966	3.116.092	51.396.965,—	89,68%
Results from the Sales of Admission Tickets to Events of the XXth Olympiad which Took Place Outside of Munich	Canoe slalom, Augsburg	50.000	2.600	47.400	11.845	35.555	355.550,—	75,00%
	Football	884.731	49.936	834.795	733.274	101.521	717.596,—	12,16%
	Handball	37.748	1.475	36.273	14.961	21.312	276.380,—	58,74%
	Yachting, Kiel	40.736	4.509	36.227	3.572	32.655	654.530,—	90,13%
		1.013.215	58.520	954.695	763.652	191.043	2.004.056,—	20,01 %
Results from the Sales of Tickets for the Demonstration Badminton Events	Badminton	10.104	730	9.374	5.404	3.970	19.850,—	42,23%



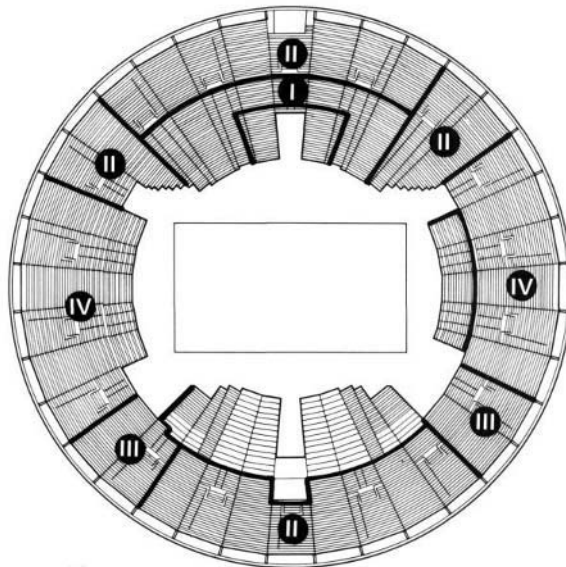
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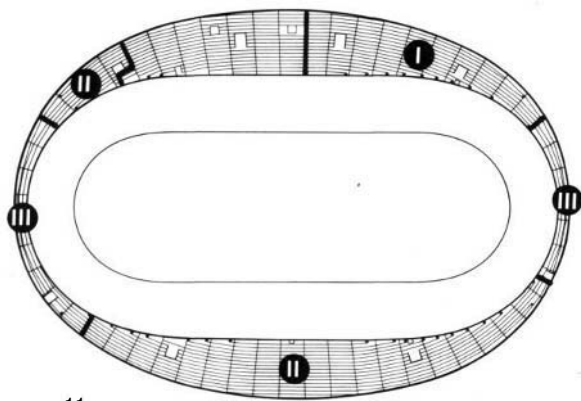
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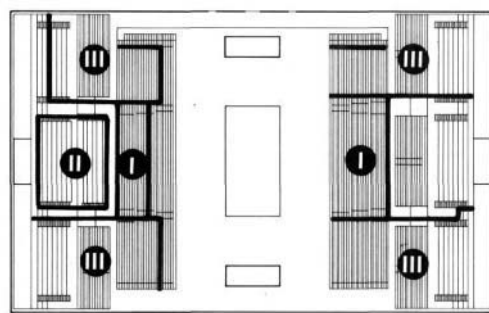
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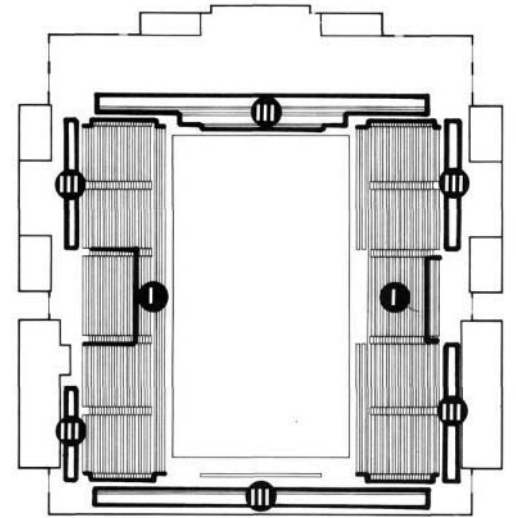
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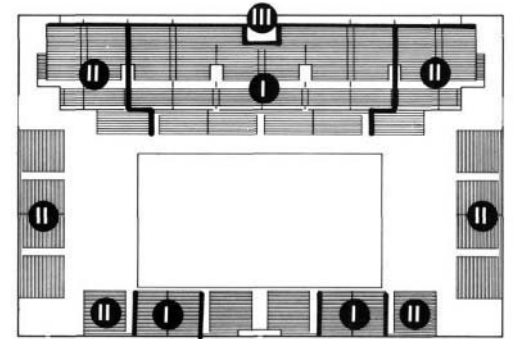
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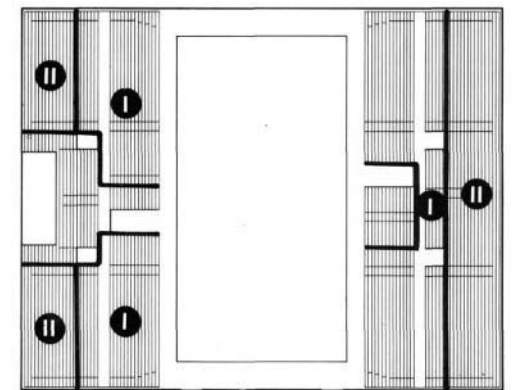
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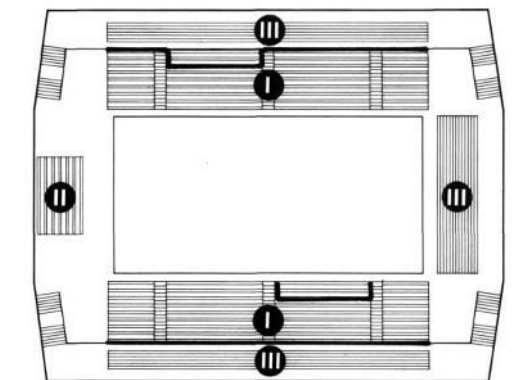
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Information Leaflet for Holders of Identification Cards



Significance of the Colors and Symbols

Light green

Olympic Stadium
(all events)
Olympic Stadium
Track and field events



Olympic Stadium
Football



Olympic Stadium
Equestrian events



Olympic Stadium
Modern pentathlon



Yellow

Sports hall,
Olympic Park
Gymnastics and
handball
Sports hall,
Olympic Park
Gymnastics



Sports hall,
Handball



Swimming hall,
Olympic Park
Swimming, Diving
Water polo and
swimming,
modern pentathlon



Dark blue

Swimming hall,
Olympic Park
Swimming,
modern pentathlon



Dark green

Boxing hall,
Olympic Park
Boxing



Boxing hall,
Olympic Park
Judo



Fencing, Hall 20



Fencing, Hall 20
Modern pentathlon



Riding stadium, Riem



Riding stadium, Riem
Modern pentathlon



Light blue

Cycling stadium,
Olympic Park



Fencing,
Bavaria hall



Dantebad



Basketball hall,
Siegenburger Strasse
Basketball



Basketball hall,
Siegenburger Strasse
Judo



Canoe slalom,
Augsburg



Sports hall,
Augsburg
Hohenstaufenhalle,
Göppingen
Donau Hall, Ulm
Sports hall, Böblingen



Olympic center,
Kiel-Schilksee



Regatta lanes.
Outer Firth of Kiel



Grey

Volleyball hall,
Olympic Park
Volleyball



Volleyball hall,
Olympic Park
Badminton



Wrestling/judo hall
Fair grounds
Wrestling



Wrestling/judo hall
Fair grounds
Judo



Thus, the three rapid transit lines, the subway line, four streetcar and fourteen buslines served Olympic Park with two stations and six stops. The additions made to the schedules and the special routes were accompanied by additional measures; i.e., an intensive utilization and intensification of the fleet of buses and streetcars corresponding to the capacity requirements. For instance, sixty-four subway coaches were driven continuously on the weekday schedule prior to the Olympic Games, whereas there were 108 vehicles in the maximum capacity schedule during the Olympic Games: sixteen sets of six coaches each on the U 3 line and three sets of four each on the U 6 line. All foreseeable servicing and maintenance work was therefore moved up several weeks in advance. The municipal transport enterprises in Nuremberg loaned an additional eight subway coaches which matched all technical details of the Munich subway coaches. A total of 116 coaches were available for daily use during the Olympic Games. However, there were only two sets of four coaches each as reserve trains.

The rapid transit traffic was served by 120 motor-coach trains of the ET 420 series expanded by twenty normal trains for additional capacity due to the Olympic Games.

The streetcars commonly used on weekdays were increased by the municipal transport enterprises from 582 to 668 cars. As a precaution, fifty old streetcar trains scheduled for scrapping were retained.

Instead of the normal 405 vehicles, the bus operation now required up to 556. The enterprises collaborating with the City of Munich kept their reserve vehicles on hand. The extra vehicles and vehicles from the school bus operation which were only used during the six winter months were rented.

In 1968 and 1971, in response to inquiries, forty-six entrepreneurs from the Federal Association of Public Transport Enterprises expressed their willingness to make 163 buses with drivers available for the Olympic traffic. The OC selected the largest groups of buses: forty vehicles from Berlin and twelve buses from Frankfurt am Main. Both enterprises brought their own supervising staffs. The Berlin transport company set up its own radio control station.

Corresponding to the increase in the number of vehicles and the longer time the vehicles were on duty, the number of personnel had to be increased as well. No vacations were allowed during the Olympic Games — normally 340 of the 2,800 employees of the transport enterprises are on vacation at this time. More than 5,000 free days were cancelled. A planned daily overtime of one hour per person extended noticeably the average daily performance for the entire driving and supervisory force.

Additional staff was provided for information stands and for ticket sales on all important stops in addition to the normal station and information personnel: 144 retired conductors and free manpower, 100 highschool and university students

proficient in foreign languages among others. The municipal transport enterprises employed 526 additional persons daily with about 70,000 working hours.

As in the case of the streetcar and bus fleet, all other technical institutions were in maximum operation. All foreseeable servicing work and the overhauling work which fell due during the Olympic Games were scheduled in advance. The vehicles were again cleaned thoroughly inside and outside in addition to the normal cleaning cycle. The fluorescent lights at particularly important stops and in tunnels were changed as precaution and all escalators, switches for the power supply, track switches and track occupancy lights as well as transmitting and receiving equipment were checked, all construction work with local and outside crews was stopped during the Olympics. The technical staff was able to concentrate to a large extent on servicing and maintenance work during this time.

Maintenance personnel worked around the clock in the subway repair shops. Additional skilled workmen came from the firms which supplied the subway equipment for the expanded shift operation. The vehicles were serviced during the night hours. There was an additional crew for cleaning the vehicles in the Olympic Center station.

Stand-by duty for the subway power supply was doubled. Signal boxes of the subway were staffed with workmen from 9:00 A.M. to midnight daily. Engineers and foremen on the routes were continuously at work on the stretches. A stand-by crew was on duty in the communication service and for taking care of vending machines, ticket cancelling machines, loudspeakers, train departure signs and emergency signal equipment.

In the bus maintenance shops, service crews worked around the clock, boosted by workers from the main workshop and from outside firms. The number of temporary work shops was increased to three.

In the construction of streetcar tracks, the track and shop crews collaborated in inspecting the trackage. The remote controlled rectifying equipment was manned by workers from the power company who intervened immediately in case of disruption.

The German Federal Railroad took precautionary measures to eliminate and prevent obstructions of operation, unforeseeable circumstances and any other disruptions of the operation of the rapid transit system.

The fundamental division of the different types of transportation also relieved the burden of traffic. The subway was completely independent of the remaining traffic and the north branch of the U 6 line was erected as a commuter operation which was completely independent of the Olympic operation. The rapid transit system was connected with the rest of the rapid transit network and thus with the rest of the train traffic, but the rapid transit lines ran irrespective of road traffic. The streetcar routes to Olympic Park were usually

separated from other means of transportation.

The bus terminal was situated on the east flank of Olympic Park, i.e., far removed from the 4,200 parking places in the western part of Olympic Park. The "park-and-ride" areas provided additional relief. Temporary obstacles, in particular on Lerchenauer Strasse, could not be avoided.

Traffic problems were posed not only by the general capacity of the transportation facilities, but also by the rush to use these facilities after well-attended events. These peaks were eased by the following measures:

- a balanced system of footpaths,
- sufficient spacing between the means for departure and the competition sites,
- at least two track platforms for each direction of travel, and
- adequate guidance for the visitors.

Signposts in Olympic Park were intended to provide the visitors with information. The OC developed to this end its own system of pictograms which were later replaced by the internationally conventional and generally accepted traffic pictograms. Loudspeaker announcements distributed the traffic flow between the two subway entrances and increased the load carried by the rapid transit trains.

Railings and barriers guided the flow of passengers inside the completed transport facilities. Visual layouts and garden arrangements were also designed to guide the flow of visitors, for example, on the regatta course. They were not observed or noticed later, however, due to the throngs of people.

The time required for people to board the subway was reduced to very brief stopping times with the aid of the wide door openings.

The trains were uniformly occupied, thereby utilizing the vehicles to the utmost.

There was danger of the rapid transit station in Olympic Park being overloaded unevenly due to the position of the stairs on one side at the south end of the platform. Furthermore, the subway station at the south entrance had a substantially greater load than the north entrance: the departing trains were not completely filled in the rear parts and greatly overfilled in the front parts.

**Public Traffic:
Other Competition Sites**

The other competition sites in and around Munich were also connected to the local traffic network by local public transport facilities.

Fair Grounds
In particular the special streetcar line X, two regular lines (2 and 9) and a special bus line (B) provided transportation service to the Fair Grounds.

Basketball hall
Bus service to the basketball hall (special bus line B) was facilitated via provisional bus stops and turning terminals. It was possible to construct these terminals only in a very narrow way due to

the location and thus they were hardly able to cope with the throng of visitors after the sporting events. Visitor congestion and obstructions occurred by people departing through the corridor of the area which was reserved for the competitors.

Regular line 33 connected the basketball hall with the Donnersberger Brücke and the southern part of Olympic Park.

Regattafacilities
The regatta course presented special traffic problems. Here the OC expected 20,000 to 40,000 spectators. They were able to travel from the rapid transit station Oberschleißheim to the sport facilities only three kilometers away by a shuttle bus line (C) which was completely separated for two kilometers from traffic on federal highway 471. In addition, a special bus line ran from the bus transfer point at the subway station to the regatta course, but this became involved in the heavy individual traffic - especially in Feldmoching.

Riding stadium in Riem
Streetcar lines 1 and Z as well as bus lines T and 91 were used for visitor arrival. The bus service was not sufficiently separated from the general automobile traffic which merged into the Landshamer Strasse from parking lots, meadows and other streets.

Other competition sites
No problems were encountered in transportation to the Dantebad, Grünwald and Hochbrück contest sites.

Marathon and walking events
Extensive road blocks were necessary. Local residents were informed by mail circulars. The Munich daily newspapers and the Bavarian radio station instructed road users.

Individual Automobile Traffic
Even prior to applying for the Olympic Games, the City of Munich had provided a road network meeting the requirements of private automobile traffic by providing service to those outer areas of the city where the density of the streetcar network was not sufficient. The most important parts of this road network were:

- the Mittlerer Ring, about thirty kilometers in length, which was intended to connect both the existing and planned radial roads,
- the Altstadttring, five kilometers in length, for by-passing the downtown area, and
- the autobahn ring which joined the four autobahns merging in Munich and — like the Mittlerer Ring — was intended to keep through-traffic away from the downtown area.

When the City of Munich filed the application for the Olympic Games, the Mittlerer Ring existed only in fragments, actually only the west portion of the Altstadttring existed and this had been built in the thirties. Especially these two roads, in addition to the important roads surrounding Oberwiesenfeld, had to be expanded on a priority basis by the autumn of 1971. It was not possible in the coming six years to expand the autobahn circuit.

As a matter of principle, no large construction sites were supposed to obstruct

traffic in the city area during the Olympic Games and in general no roads were supposed to be closed to public traffic. Even additional road construction projects, however, could not fully prevent bottle-necks in the Olympic street traffic.

The general traffic plan anticipated 515,000 automobiles in the Munich area in 1972. At this time of year, however, approximately 91,500 automobiles were elsewhere. However, 30,000 to 60,000 outside automobiles had to be taken into account. There were actually about 483,500 automobiles in Munich during the Olympic Games. This number did not take into account the vehicles of the OC, public authorities, government agencies and institutions.

Thus, the automobile driver was supposed to leave his automobile at home, if at all possible, and use public transportation. The OC set up 9,000 "park-and-ride" areas on the outskirts of Munich and 21,000 "park-and-ride" areas on the rapid transit stops in the greater Munich area for the driver. A flexible system of signs guided him to these areas. Public transport or taxis drove from here to all Olympic competition sites in Munich.

The 60,000 parking places in Olympic Park were reserved exclusively for internal traffic. Public "park-and-go" parking places were to be identified around Olympic Park. By utilizing unused areas, company parking lots and the street parking space in neighboring quarters of the city, which did not absolutely have to remain free for the flow of traffic, 18,000 parking spots were successfully created at a maximum distance of two kilometers (= 20 minutes' walk) away from Olympic Park. The visitor arrived by automobile, parked and walked to the competition site. These parking lots were identified by signs in the surrounding streets. The parking fees were high.

The parking system was based on a filling plan "from the inside toward the outside". The OC first opened the parking lots immediately adjacent to the competition sites. If these were almost filled, "parking switches" guided the traffic to the next, yet unfilled lot.

Approximately 700-800 bus stands for occasional traffic were located on the public parking lot in the southeast part of Olympic Park. A pedestrian bridge led from there to Olympic Park.

The parking lots were attended by the Red Cross.

There were taxi stands with a capacity of 300 places at four locations in Olympic Park. Their arrival routes were in the close vicinity of the Olympic competition sites.

On October 19, 1971 the City of Munich opened the first ten kilometers of the subway and extended them to Olympic Park on May 8, 1972. Somewhat later, on May 28, 1972, the German Federal Railroad connected by means of the tunnel route from the Ostbahnhof to the Hauptbahnhof six west and five east suburban routes to form a rapid transit train network 400 kilometers long. On this date, all public transport facilities with the various

carriers (the City of Munich, the German Federal Railroad and German Federal Postal Administration) were combined in the Transportation and Fares Association (MVV).

The Fares System

The MVV offered the passenger a uniform communal fare according to graduated fare zones (central zone and ring zones). The person paying cash was able to buy single or multiple tickets, the regular customers could select from a system of weekly, monthly and yearly tickets which were valid in different zones.

This fare system needed to be expanded only slightly for the Olympic Games: the 24-hour ticket for the inner transport zone (3 DM) which was normally valid to the city limits, was also valid on the days of competition for travel to the competition sites which were located outside the city limits (regatta course, Oberschleißheim, shooting range in Hochbrück, three-day-event course in Poing). This was also included and calculated into the tickets for persons traveling to and from their accommodations.

The entire ticket system of the MVV was also linked with the Federal Railroad by the Olympic Rail Pass. The owner of this pass could move in the entire MVV network without any additional fares. This covered a distance up to forty kilometers in the Munich region, including about 400 kilometers of trackage with 140 stations and 860 stops served by 150 lines.

It had to be feared, however, that the Olympic visitors would have considerable difficulty with a common fare, which had been introduced only a short time before, and with the self-service automatic ticket machines. For this reason, brochures and flyers in several languages referred in particular to the tourist ticket. Hand bills explained in several languages the forms of transportation offered including the competition sites, the transport line network and fares. Identical posters were hung in all stations and at important stops in the surface transport system and were supplemented by daily notices of important events in the outer portion of the traffic area. Furthermore, the automobile clubs and the information stands of the OC distributed this information as well.

Information

It was even more important that the inhabitants of Munich and the Munich region as well as the Olympic guests realize that they should use the public means of transportation when visiting the events. This was the target of a large-scale campaign to inform the public which the OC began at a press conference in the middle of March, 1972. It was intended in due time before the Olympics to accustom the Munich population to the two new express trains, and to inform them about the main traffic routes for the sporting events and about the days and the times during the day in which traffic would be critical. The OC sent two circulars to all admission ticket sales offices in April/May 1972. The Federal Transportation Ministry and the ADAC published brochures which advised people not to use their own auto-

mobiles and explained the problems of Munich automobile traffic.

The first successful test as to how the local transport system to and from Olympic Park functioned was made during the national soccer game, the Federal Republic of Germany vs. the Soviet Union, in Olympic Stadium.

Eight days prior to the Olympic Games, all Munich newspapers provided daily information concerning the beginning, the end and location of the events of the day, the traffic routes and the parking lots. The third channel of Bavarian Broadcasting continuously carried announcements about the traffic situation. The information stands and pilot service points at selected locations on the access roads informed the arriving drivers. The central traffic control office in the Munich police headquarters monitored traffic on the streets of Munich and continuously varied traffic control measures to cope with the requirements.

Signposts

Road signs indicating the route to be traveled to the different groups of road users were important for regulating traffic.

The municipal transport enterprises developed a pedestrian guide system which led the pedestrian to and from the stops and even characterized the stops for the user of the public transport facilities. These signposts fitted well into the general appearance of the city. They were made in the form of panels or stickers and bore the information of the OC in the form of pictograms.

There was a main route system for individual automobile traffic which was meaningfully adapted to the radial access roads. Detours were able to ease the burden of traffic. The Mittlerer Ring was the main thoroughfare to Olympic Park and distributor road for the other Munich competition sites.

In addition, the federal autobahns and main access roads were included in the road sign concept. A signpost system which could be operated alternately guided the automobile driver directly to Olympic Park, to the other competition sites or to the parking lots respectively associated with the route. The locations of the signs inside and outside the city limits, approximately 1,000 in number, were determined by the requirements of traffic regulation and safety.

The OC did not use transparent signs with internal illumination due to reasons of expense and safety. It employed fully reflecting signs with signal foils and the luminescent bright green from the official color scale which contrasted clearly with the colors of the normal traffic road signs.

The City of Munich adopted the road markings of Olympic Park after the Olympic Games as the general standard for the future.

The Traffic Situation

Road traffic was lighter than expected at the beginning of the Olympic Games. Disruption caused by the track and field

events on the streets, on the routes of streetcar and bus traffic remained relatively low.

Congestion and disruption in surface traffic was below the extent common at this time of year. Demonstrations in the central zone of the city on September 2, and 3, 1972 did not affect the flow of traffic substantially. A subway train was out of order for twenty minutes due to a technical failure in the downtown area at 4: 55 P.M. on September 5, 1972. With the aid of the turning facilities located along this route, operation of the inbound city traffic was maintained with only slight irregularities. At the same time due to the cancelled soccer game heavier home-bound traffic began so that the subway station Olympic Center had to be closed briefly due to the heavy surge of passengers.

The postponement of the schedule on September 6, 1972 by twenty-four hours caused extensive changes in the transport schedule and on-duty plan.

The greatest sudden load of the two systems occurred on September 10, 1972. Due to a sudden thunderstorm, 30,500 passengers left Olympic Park by subway, 13,600 passengers by rapid transit trains, 8,400 by bus and 1,900 by streetcar between 5:45 and 6:45 P.M. This exceeded the estimated theoretical maximum by more than 12% in the case of the subway, by 17% in the case of the buses, up to 65% in the case of the rapid transit trains and up to 19% in the case of the streetcars.

Top capacity during rush hours:	
Shooting range in	
Hochbrück	7,400 passengers
Fair grounds	151,800 passengers
Basketball hall	120,100 passengers
Dantebad	20,100 passengers
Grünwald	1,600 passengers

Passenger volume per day:
The daily passenger volume depended on the calendar of events. On September 3, 1972 the public transport facilities transported the greatest number of passenger, i.e., 625,000 persons. Twenty-nine events took place on this day, nineteen of them in Olympic Park (94% of the passenger volume on that day) where 70,000-80,000 visitors filled Olympic Stadium three different times. The fewest passengers (284,000) were counted on the day of the opening ceremony.

- Two days were especially predominant as far as the traffic volume to the remaining competition sites was concerned:
- August 31, 1972: three-day event in Riem/Poing. 38,700 passengers rode on buses, rapid transit trains and additional trains
 - September 2, 1972: final in rowing events. 38,400 passengers traveled by the rapid transit trains, shuttle bus line C and bus line R.

Passenger volume in absolute peak hours:
The largest volume of passengers encountered at any one time occurred on September 3, 1972 between 1:15 and 2:15 P.M. at the subway station at

Olympic Center. Simultaneously 25,300 passengers arrived and 15,700 departed.

The percentage ratio of passenger volume to the individual public transport facilities, however, deviated from the general traffic plan: the subway, which was supposed to assume barely 40% of public transport, carried between 59.0% and 65.8%. The rapid transit system, also estimated at 40% of the traffic, increased its traffic volume from 13% at the beginning to 26% intermittently.

The fare system and the self-service at the automatic ticket machines did not present any serious difficulties to the visitors, since the location of the competition sites in the fare area considerably simplified buying tickets. The day tickets and tourist tickets were especially popular.

Scope

During the Olympic Games, the MVV together with the German Federal Railroad and the municipal transport enterprises counted the passenger volume of the public transportation facilities. The following statistics were found interesting: — total number as well as the daily number of persons transported to the competition sites during the Olympic Games — passenger volume and the distribution to the stops and stations of Olympic Park and — the other competition sites — peak values in the individual transportation facilities, in particular in the subway and rapid transit system.

The data could only be determined as a whole and were not differentiated according to the visitors of events, onlookers and personnel. Nevertheless, they permitted a survey of the expenditure and success of the public transportation system to be made and also permitted conclusions to be drawn during the Olympic Games as to the use of facilities operating at that time.

All arriving and departing passengers were counted at Olympic Park from 8: 00 A.M. to midnight and, at the other competition sites, only the arriving passengers were counted. It was likely that they used the same kind of transportation after the event had ended as they did in arriving.

The MVV did not make any count at the events for team road races, archery, dressage and in the track and field road competitions.

On an average, the public transportation facilities transported about 800,000 passengers on normal weekdays. During the Olympic Games, the volume of traffic on weekdays increased one and a half times and even doubled on weekends. A total of 7,068,300 passengers were counted in traffic to the sporting events including the memorial ceremony on September 6, 1972. If one considers the feeder service to the regatta course rendered by the rapid transit system and to the riding events in Riem/Poing, the two express trains carried about four-fifths (=79.2%) of the entire volume of traffic:

subway

56.8% = 4,014,900 passengers

rapid transit system 22.4% = 1,579,800 passengers
streetcar/bus: 20.8% = 1,473,600 passengers

By far the largest number of passengers (6,481,400) drove to Olympic Park, about four-fifths traveled by express train:
subway: 61.9%
rapid transit system: 20.1%

By contrast, the volume of traffic to the other competition sites was relatively low (8.3% = 586,000 passengers):
Oberschleißheim 168,300 passengers
Riding stadium in Riem and three day event Riem-Poing 117,600 passengers

Contrary to expectation the regular line buses were greatly involved in transportation at Olympic Park: instead of 7%, their proportion of passengers transported amounted to between 11.6 and 20.4%.

The special streetcar lines to Olympic Park South, on the other hand, had only 3.1 % of the traffic volume instead of 13%.

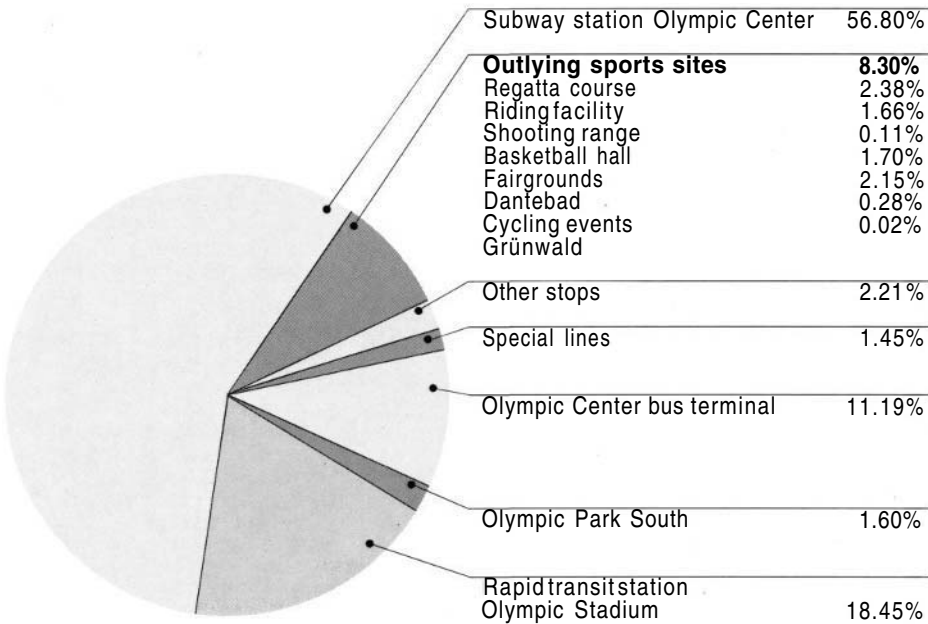
People's acquaintance with the express trains, the traffic operation and configuration of Olympic Park could have caused the preference of the express trains. The subway became known to the public early during its construction. Regular operation to Olympic Park was begun a good three months prior to the Olympic Games. The rapid transit lines to Olympic Park did not take up operation, however, until shortly before the Games. Express trains, still new in the Munich region, were considered to be reliable — streetcars and buses, although separated from street traffic, were considered as subject to malfunction or failure.

The subway, rapid transit train and streetcar intervals of departure were in the relationship of 1 ½ : 10 : 5. The intervals of the two special streetcar lines were increased from five to ten minutes. The older vehicles, which were kept available as a precautionary measure, did not have to be used.

Due to the large passenger volume transported by the public transport facilities the "park-and-ride" lots for individual automobile traffic were extensively below capacity and some were even unused. The "park-and-go" lots situated in the vicinity of Olympic Park provided sufficient parking facilities for approximately 70% of all events. The planned parking lot filling system was not used at all.

Total number of passengers at the stops of the Olympic sports sites during the Games of the XXth Olympiad in Munich, 1972

Passengers: 7,068,300
Olympic Park 91.7%



prevent congestion due to heavy traffic and the frequency of runs. The tempo of the schedule was derived from both shuttle bus lines in Olympic Park. It was increased to one bus every five minutes from August 25 to September 11, 1972.

The OC used electric or natural gas motor buses in Olympic Park in addition to cleanrunning diesel buses.

Shuttle Bus Lines from Olympic Village to the Training and Competition Sites outside of Olympic Park

The OC arranged permanent routes for buses serving training and contest sites outside of Olympic Park. It took street conditions and usage estimates of the general transport plan into consideration even at the planning stage. All proposed routes were driven, systematically examined and measured precisely. To avoid wasting time the OC paid careful attention that

- the bus routes did not coincide too much with ordinary traffic,
- the approaches and U turns at each sports site were wide enough for buses,
- the streets with heavy traffic would be avoided, especially for left turns and where the cross streets had the right of way,
- the lanes of the public buses would be used, but their stops avoided,
- certain spots were designated as "no parking or standing" areas and parking places were reserved.

The time of the individual bus runs was based on an average traveling speed of 3 minutes/km (= 20 km/h). This value was adjusted for each bus route: according to the road conditions, the probable automobile traffic in the downtown area and the traffic conditions in the regional areas. A time allowance covered unavoidable traffic obstructions, in particular during the peak hours.

The OC also established auxiliary routes independent of the regular bus routes.

Bus Lines to the Training Sites

Buses ran from a parking lot in the Olympic Village to fifty-four training sites. It required a great deal of time to work out the bus schedules, since the buses were employed according to the training sites. A schedule of two hours was planned depending on the arrival of the teams. The many special wishes and the changes in training times, which frequently were not announced until the evening of the day before, made it difficult to maintain the traffic and operational program exactly.

Bus Lines to the Training Sites which also served as Competition Sites as well as to the Actual Competition Sites

Seven bus lines ran from the north exit of the Olympic Village

- to the basketball hall
- to the fair grounds
- to the English Garden
- to Riem
- to Oberschleißheim
- to the station Milbertshofen and
- to Hochbrück.

All bus lines ran on a strict schedule which was temporarily reduced to five-minute intervals. It was frequently necessary to use additional buses to transport the crowds at the end of events.

The bus lines terminated in the Olympic Village in the stopping area in front of the gate.

22.7.2 Transport of Journalists

The OC established another bus line system for transporting the press independent of the system for transporting the athletes and their attendants.

Commuter Line 1 in the Press Village

A commuter bus line for journalists living in the press complex ran from the north area of the press complex to the press center (approx. 1 km). The buses departed at ten-minute intervals from 5 A.M. to 9:30 P.M. and at fifteen-minute intervals from 9:30 P.M. to 2:45 A.M. They were hardly used during the Olympic Games.

Commuter Lines 2 and 3 in Olympic Park

Bus lines 2 and 3 connected Olympic Park competition sites with the press complex:

- Line 2 press center - Olympic Stadium/ cycling stadium
- Line 3 press center - sports hall - boxing hall.

Both lines travelled via the DOZ. Their interval of departure was shortened gradually from twenty to five minutes during the peak hours.

The DOZ used a bus line from the press center to the DOZ for its technicians when necessary.

The OC stopped bus service inside Olympic Park on the days of the opening and closing ceremonies. Internal streets were also closed to all traffic apart from the special arrivals of VIPs. The Central University Sports Facility was needed as a gathering place for the participating nations. Press lines 2 and 3 were rerouted via the public streets to parking lot 21 on the Sapporobogen which was approximately 300 meters away from Olympic Stadium. The number of buses was increased from the normal number of sixteen to thirty buses, one of which left every two minutes.

Buses followed their normal route as far as the bus stop at the Olympic Stadium for the memorial ceremony held on September 6, 1972. A total of forty buses were used to transport the athletes and representatives of the press.

Commuter Lines to the Competition Sites outside of Olympic Park

Bus lines ran from the press center to the competition sites outside. Olympic Park and to the press subcenters. They were supplemented by commuter lines between various sports sites where competitions were taking place simultaneously. The number of these connections depended on the number of press boxes in the competition sites, the location of the sites and a 20—30% fluctuation in press boxes between the individual competition sites:

- Line 4 press center—fair grounds — basketball hall.

This commuter line was expanded to a circuit line on certain days which led from the press center to the fair grounds, the basketball hall and the dressage course and then back again to the press center.

- Line 5 fair grounds — riding facilities in Riem.

- Line 6 press center — riding facilities in Riem.
- Line 7 press center — Oberschleißheim — Hochbrück.

- Line 8 Hochbrück — riding facilities in Riem.
- Line 9 press center — English Gardens.

The cycling facilities in Grünwald were serviced directly from the press center, the same applied for the autobahn Lindau in addition to the traffic to the station Milbertshofen.

These bus lines operated only if events were taking place in the competition sites. The operating times were scheduled according to the beginning or end of the competitions and according to the times the press subcenters were open. In general, buses ran every ten minutes and every thirty minutes for less frequented connections according to the time of day.

On August 10, 1972 the OC set up a bus line between the press center and the Olympic Village. The scheduled fifteen-minute interval soon had to be reduced to ten minutes and the original operating time between 8 A.M. and 9 P.M. had to be expanded to 6: 30 A.M. — midnight.

A total of ninety-one bus lines with 488 different schedules ran from August 1, to September 14, 1972. The length of the runs varied between one and forty-five kilometers. As many as 309 buses were in use on peak days.

22.7.3 Transport of Participants in the Youth Camp

Requirements for transporting participants in the youth camp were as follows:

- Transporting participants from and to airports or train stations
- City sightseeing tours and day excursions into the Munich area
- Transporting participants in the science congress from their places of accommodation to the Deutsches Museum (German Museum)
- Transporting the participants of the Kiel annex of the youth camp.

For these and other transport duties, the OC provided the leaders of the youth camp with fifteen buses for their own use.

An established access line drove from the Kapuzinerhölzl to the students' living area. Buses ran every ten to fifteen minutes.

Regular buses drove to the Olympic Village every twenty minutes starting on August 27, 1972.

The participants in the youth camp were to use the public local transport facilities to visit the Munich competition sites. The leaders of the youth camp scheduled their own buses to run to the competition sites in Riem, Oberschleißheim and Hochbrück.

22.7.4 Transportation of Short-Term Personnel

Transport from the accommodations to the place of work was the preeminent transport requirement in the case of short-term personnel. The OC estimated the volume to be approx. 22,000 persons, but the traffic duties could not be determined even on the basis of a rough approximation at the beginning of the year 1971/72. Neither the scheduled planning had been completed nor had the personnel groups been assigned to the accommodations. Due to the transport volume and the accommodations which were distributed throughout the entire city, it was certain that the transport requirements of short-time personnel could only be taken care of by comprehensive bus service for the entire city. The OC, however, did not have enough buses of its own. It had to fall back substantially on public transport facilities. These were able to provide the additional service, since the short-term personnel lived in the entire city area and thus, local traffic congestion was not to be expected. The OC only provided transport to residential areas which were far away from the place of work and which were unfavorable with respect to the regular public transport network as well as for transportation of the hostesses and competition assistants to the dressing areas.

22.7.5 Reception

The OC transported the athletes and journalists who arrived and departed successively, including their luggage. This need for transportation existed primarily outside of the main training time. The OC was able to meet this need with the buses provided for the training and competition sites.

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Notes on the digitized version of the Official Report of the Organizing Committee for the Games of the XXth Olympiad Munich 1972 (Volume 1)

The digital version of the Official Report of the Games of the XXth Olympiad was created with the intention of producing the closest possible replica of the original printed document. These technical notes describe the differences between the digital and printed documents and the technical details of the digital document.

The original document

The original paper version of the 1972 Official Report (Volume I) has dimensions of 10.9 x 11.9" (27.5cm x 30cm).

The volume's spine is of blue cloth. The number "1" appears in white on the spine.

The book has 402 pages.

The fonts used in the digital version book for text, photograph captions and chapter headings are Helvetica and such system fonts as best approximate the original fonts.

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Profile of the digital version:

File name: 1972s1.pdf

File size: 44,150 KB

Format: Portable Document Format (PDF) 1.3 (Adobe Acrobat 4.0)

Source document: The Official Report of the Organizing Committee for the Games of the XXth Olympiad Munich 1972, Volume 1: The organization

Published by proSport GmbH & Co. KG. München Ed. Herbert Kunze

Creation Platform: Windows XP

Creation Date: August 2003

Conversion Software: Adobe Acrobat, FineReader, VistaScan, FahrenEX

Image Resolution: 150 dpi for color and grayscale images

Digital Fonts: Helvetica, Times New Roman

Conversion Service: Fahrenheit 452, Thane (W), MH, INDIA

www.fahrenheit452.com

Die Spiele

Volume 2

The constructions

Die Spiele

The official report
of the Organizing
Committee
for the Games
of the XXth Olympiad
Munich
1972

Volume 2

The constructions

issued by
pro Sport München

October 28, 1965

Willi Daume, President of the German Sports Federation and of the National Olympic Committee for Germany (NOC), suggested to Lord Mayor Dr. Hans-Jochen Vogel that Munich should offer its candidature as the site for the Games of the XXth Olympiad. Dr. Vogel agreed that serious consideration should be given to this question.

December 8, 1965

The Bundestag welcomed Munich's application and decided that the Federal Government would bear one third of the resulting costs. The City of Kiel, capital of Schleswig-Holstein, applied for the staging of the Olympic yachting events in case the 1972 Olympic Games are awarded to a German city.

December 14, 1965

The Bavarian Parliament welcomed Munich's application and decided that the Bavarian Free State would also bear one third of the resulting costs.

December 18, 1965

The NOC unanimously approved Munich's application.

December 20, 1965

The Munich City Council unanimously approved Munich's application for the Games of the XXth Olympiad.

December 30, 1965

The documents in support of Munich's candidature were submitted to the Treasurer of the International Olympic Committee (IOC), Marc Hodler, in Lausanne. In addition to Munich, Detroit, Madrid and Montreal had also submitted their applications. This application was preceded by negotiations and agreements between the Federal Government, represented by Federal Chancellor Professor Dr. Ludwig Erhard, and the Bavarian Free State, represented by Minister President Dr. h.c. Alfons Goppel. All parties assured Munich of their support in the event of a favorable decision by the IOC. In the application it was stated that (summarized extract):

"Munich already has a large number of sports facilities, some of which can be expanded:

The football stadium on Grunwalder Strasse (44,000 capacity).

The athletics stadium on Dante Strasse (22,000 capacity - can be increased to 35,000).

Football stadium at Pullacher Platz (25,000 capacity).

Twenty municipal sports installations, each with several playing fields. These grounds include fifteen 400-m. -tracks and other facilities for athletics, in addition to accommodations for up to 3,000 spectators.

Sports arenas in the Munich exhibition park:

Hall 7 (6,000 to 7,000 capacity), Bavaria Hall (4,500 capacity).

Five other halls (each for up to 2,500 spectators) and up to nine courts for indoor handball and basketball. Circus Krone Building (3,100 capacity).

Another 257 gymnasiums and sports halls. Swimming stadium on Dante Strasse (3,000 capacity which can be increased to 10,000) with a 21 m. x 50 m. swimming-pool and a diving pool with a 10 m.



The conception of the Olympic facilities at Oberwiesenfeld which was presented at the IOC-Congress in Rome in connection with the application of the State Capital City of Munich. The model shows the stadium in the north on a platform which spans the Middle Ring (city expressway), with the swimming hall and the sports hall adjoining. The Olympic Village is in the northeast. In the southeast is the ice stadium, while the stadium is located in the southwest.

Dr. Hans-Jochen Vogel, Lord Mayor, and Willi Daume, the later President of the Organizing Committee, accept the congratulations of IOC-President Avery Brundage after the selection of Munich as the location for the Games of the XXth Olympiad of 1972.



diving installation. Additional training facilities are provided by several other indoor and open-air (heated) swimming-pools within the city boundaries.

Amor Cycle Track (9,000 capacity, length of track: 333 1/3 m.).

Equestrian sports facilities in Munich-Riem. Several shooting ranges within the city boundaries, suitable for the modern pentathlon and training. During the next few years, but by 1971 at the latest, these existing facilities will be supplemented by the following sports installations to be constructed at Oberwiesenfeld, located only 3.8 km. from the center of the city:

Olympic Stadium:

Plans are nearing completion for the construction of a large stadium with accommodation for 90,000 to 100,000 spectators, 50,000 of whom will be under cover, with seats for 70,000. This stadium, the future sports center of Munich, will be equipped with facilities for almost all sports. It is therefore eminently suitable for important international sports events.

Sports Hall:

Another center at Oberwiesenfeld will be the proposed multi-purpose sports hall with a total area of almost six hectares and providing accommodation for 12,000 spectators, all of whom will have unhindered view. It will contain facilities for gymnastics, boxing, wrestling and fencing events, indoor athletics and handball, basketball, tennis and equestrian tournaments.

Smaller Sports Hall:

As early as 1966 a sports installation will be completed at Oberwiesenfeld which will include a hall for 8,000 spectators. The central floor space will measure 60 m. x 30 m. and can be used for indoor events (boxing, wrestling, fencing).

Swimming Hall:

A swimming stadium with capacity for 10,000 spectators will be built in the immediate vicinity of the Olympic Village. It will contain a swimming-pool (25 m. x 50 m.) and a diving-pool measuring 20 m. x 20 m.

Cycling Stadium:

A new cycling stadium accommodating 10,000 spectators will be built adjacent to Oberwiesenfeld for the Olympic track cycling events.

A rowing and canoeing course will be constructed either in Munich or on one of the Bavarian lakes.

Summing up it can be stated that Munich, with its existing and planned sports installations, offers optimum conditions for holding the Olympic Games. The principal existing and planned sports installations, together with the Olympic Village and the associated facilities and training areas, will all be situated on the 3 million square meter "Oberwiesenfeld" in the north of the city. Easy access to this terrain will be provided by highways, the subway, the Federal Railway System, trams and buses, and it will have parking space for 10,000 cars.

Installations for those Olympic sports that cannot be accommodated here will be newly constructed, together with training facilities, in so far as they do not already exist. With few exceptions they will be in the immediate vicinity of the Olympic Center or will be situated within the city boundaries at a maximum distance of 10 to 15 km. and will be easily accessible by convenient means of transportation.

The Olympic Village:

The Village will be built in close proximity to the main sports installations and, with all its facilities, will occupy an area of about eighty hectares. When the Games are over it will become a select residential quarter, well situated in relation to the city and providing accommodation for 7,000 persons. This housing development has exceptionally good communications. Its situation is such that all sports and cultural events which take place outside the main installations during the Olympic Games can be reached quickly and conveniently. Completion dates will be scheduled so that the first occupants will be the participants in the 1972 Olympic Games. The Olympic Village will contain a community center with all necessary organizational and cultural conveniences. The center will form a connecting link between the quarters of the men and women athletes and will be equipped to satisfy the different requirements of the competing nations.

The training and practice grounds of the Olympic Village will be located in a parkland area of about 27 hectares separating the Village from the main sports sites.

This green zone will provide ample opportunity for training for the contests and also for relaxation."

February 10, 1966

The City of Munich sent its final application documents to the 71 members of the IOC, the 132 National Olympic Committees and the 40 International Sports Federations.

April 25, 1966

Lord Mayor Dr. Vogel stated at the presentation of the application to the IOC in Rome, "Munich offers Olympic Games with short distances and would like to give the Games a special cultural character."

An exhibit on the theme "Olympic Games in Green" demonstrated the existing and planned facilities and installations. The information sheet carried the following statement: "Munich — a city with its own distinctive atmosphere — has the best property within the city at its disposal. It does not wish to stage 'gargantuan', but rather sporting and human Olympic Games."

April 26, 1966

At the 64th meeting of the IOC in Rome, Detroit, Montreal, Madrid and Munich, represented by their mayors and the presidents of the respective National Olympic Committees, presented their applications for holding the 1972 Olympic Games. The IOC awarded the Games of the XXth Olympiad 1972 to Munich.

May 31, 1966

First meeting of the preparatory committee for founding the Organizing Committee

Village an advisory commission composed of the following experts was set up: Prof. Candilis, Paris; Prof. Ling, Nottingham; Prof. Bakema, Rotterdam; Dr. Ervi, Helsinki; Prof. Lutz, Munich; Dipl.-Ing. Billinger, Munich; Prof. Gosele, Munich; Dipl.-Ing. Tonne, Stuttgart; Government Architect Boresch, Munich; Prof. Eyer and Dr. Beckert, Munich; Landscaping Architect Miller, Stuttgart.

July 31, 1968

The contracts between the OBG and architects Prof. Heinle & Wischer were signed in Munich.

August 6, 1968

At its fifth meeting the Supervisory Board of the OBG passed the following resolution: *"The report and the draft plans submitted by architects Heinle & Wischer for the Olympic Village for men and women, including the center, are approved as the basis for further architectural planning."*

August 14, 1968

The former airport building at Oberwiesenfeld was demolished.

August 30, 1968

The Supervisory Board of the OBG decided that the resolution regarding the holding company for the Men's Olympic Village and center was incumbent on the property owners. The criteria for a decision set up by the Board were especially fulfilled by two purchasing groups according to the formulation of the Supervisory Board: The Independent Housing Construction Group "Olympic Village", Munich, and a similar group "Olympic Village", Munich.

September 9, 1968

The members of the Executive Board of the OC decided that the Schliersee Lake, due to its unsuitable wind conditions, and the Sylvenstein reservoir on account of its distance of 73 km. from the Olympic Village, could not be considered as possible regatta courses for the rowing and canoeing events. No other natural waters suitable for a regatta course were available. It was decided to investigate the potentialities of Schleissheim, Zenger Moos and other places as sites for an artificial course.

Concerning the site of a cycling stadium, the Executive Board passed the following resolution:

*"1. The Board is in favor of constructing a new cycling stadium at Oberwiesenfeld.
2. It is advisable that the cycling stadium be roofed over in order that the Olympic cycling events can be held under proper conditions. A roof is also highly desirable for the post-Olympic utilization of the stadium."*

September 30, 1968

At its seventh meeting the Supervisory Board of the OBG approved the layout and construction plans for the stadium and swimming stadium projects.

October 12 to 27, 1968

During the XIXth Olympic Games in Mexico City a study group of the OC gathered material in the sports, organiza-

tional and cultural fields. At a meeting of the IOC Congress in Mexico City Willi Daume and Dr. Hans-Jochen Vogel reported on the progress of the preparations for the Munich Olympic Games. The OC exhibited plans and models of the Olympic installations at Oberwiesenfeld.

October 14, 1968

Work was started in Kiel-Schilksee, clearing the Marine Depot to make room for the Olympic Center.

October 28, 1968

Earthworks in the central area between the stadium, sports hall and swimming stadium were commenced at Oberwiesenfeld.

October 30, 1968

The landscaping of the "Schuttberg" was completed and the sowing of grass and the planting of trees and shrubs began.

November 20, 1968

Work started south of Oberwiesenfeld on the by-pass canal of the Nymphenburg-Biederstein canal. This was the first stage in the creation of the "Olympic Lake".

December 9, 1968

The Supervisory Board of the OBG decided on the construction of the last of a total of 21 bridges and tunnels to ensure a smooth flow of traffic at Oberwiesenfeld. The construction and functional plans and the project for the sports hall were approved after a review of its multi-purpose utilization after the Olympic Games. Afterwards equestrian, cycling, gymnastics and other indoor sports events would be possible here.

The construction and functional plans and the project for the Central University Sports Facility were also approved. The agreement with the Cultural Ministry of the State of Bavaria as the post-Olympic user was concluded beforehand.

January 16, 1969

At the thirteenth meeting of the Executive Board of the OC the following resolutions were passed: The OBG is advised to locate the artificial course for the rowing and canoeing regattas at Königsdorf, a village south of Munich.

The two halls in the Central University Sports Facility shall temporarily be integrated into one large hall and be used for all Olympic volleyball events for men and women. The remaining part of the installation shall be at the disposal of the German Olympic Center (DOZ). A permanent warming-up hall shall be provided next to the large stadium. It is estimated that the Olympic Village will have to accommodate 12,000 persons, 9,000 of whom will be athletes.

January 17, 1969

The OBG and the OC signed an agreement, retroactively effective as of July 1, 1968, with the Institute for the Construction of Sports Installations of the German Sports Federation DSB/IFS in Cologne. According to the agreement the DSB/IFS was to advise the OC and the OBG, together with any planning offices commissioned by the OBG, concerning the installations to be con-

structed by the OBG for the Games of the XXth Olympiad. This advice was to embrace all technical matters with respect to sport such as the working out of proposals for building and layout programs and the coordination of buildings and spaces from the organizational aspect. This advice was to be given with a view to the suitability of the installations both for the Olympic Games and for their future use.

March 4, 1969

The first 44 linden trees were planted on the "Schuttberg" and the northern embankments at Oberwiesenfeld.

March 11, 1969

At its fourteenth meeting the Executive Board of the OC passed the following resolutions:
A new stadium with a capacity for 5,000 spectators will be built for the basketball contests.
The construction and functional plans for the volleyball and basketball halls, the cycling stadium and the Olympic Village are approved.
The equestrian events will be held at the following locations:
Dressage: Nymphenburg
Three-Day-Event: Riem
Individual and Three-Day-Event Jumping Competition: Southern part of Oberwiesenfeld

Jumping Grand Prix
Team Competition: Olympic Stadium

The inclusion of canoe slalom as an Olympic event is recommended. Proposed sites are Munich or Augsburg.

March 24, 1969

In agreement with the OC, the Supervisory Board of the OBG decided on Feldmoching-Oberschleissheim as the site for the rowing and canoeing regattas. The main factor responsible for this decision was the short distance of 8 km. from Oberwiesenfeld.

April 15, 1969

The construction of a second harbor basin was begun in Kiel-Schilksee.

April 16, 1969

A consortium agreement was made between the Federal Government, the Land Schleswig-Holstein and the City of Kiel for the construction and financing of the installations for the Olympic yachting events. A special Olympic construction company was not founded in Kiel. The City of Kiel was entrusted with the responsibility for planning and constructing the buildings required for the Olympic events. A commission was set up, composed of representatives of the three consortium partners and of the OC. The chairman of this commission was Secretary of State Professor Dr. Ekkehard Geib. The purpose of the consortium commission was to establish agreement between the consortium partners in all questions of fundamental importance. The commission held a meeting at its constitutivesession.

April 18, 1969

The Supervisory Board of the OBG approved the construction and functional designs for the volleyball hall.

Captions for pages 12 and 13

The rough landscaping of the Olympic Park has begun. From the television tower one already recognizes the large depression of the future stadium, the center and the lake shore included in the center. While the earth moving operations are still in progress, the first large trees (approximately 40-year-old lindens from the suburbs of Munich) are transplanted. The "rubble hill" is converted into an unusually appealing hill landscape.

The shaping of the stadium depression progresses quickly with the help of efficient earth moving machines.

page 15

The concentration of three important sports facilities in the southern area of Oberwiesenfeld gives rise to a large construction site that requires the best possible coordination. Tamperers pack down the ground for the eastern grandstands of the Stadium. The following operation: 20 cm. thick concrete panels with ground anchorage are applied. Their upper surfaces form the steps for seating and standing room. The reinforcement of the steel and concrete foundations for the pylons of the acrylic glass tent roof. The building site of the swimming hall during rough construction: the technical level and the pool have their forms removed, the western grandstand is under construction. In the background one sees the northern grandstand of the sports hall.

April 22, 1969

The OBG signed an agreement with the firm "Olympisches Dorf Maßnahmeträger GmbH & Co.", Munich, as contractors for the construction of the men's Olympic Village and the nonpublic part of the center. This company was formed by a group of independent and public utility contractors.

April 29, 1969

The Executive Board of the OC decided on the site adjoining the Siegenburger Strasse athletic grounds, northwest of the Exhibition Park, as the location for the basketball hall.

The members of the Board approved the construction and functional plans for the Olympic Center in Kiel and the plans of architects Storch & Ehlers.

The construction and functional plans for the regatta course Feldmoching-Oberschleissheim were approved with the provision that the capacity of a total of 25,000 persons should not be exceeded. Places for 1,000 active participants were included in this figure.

May 20, 1969

The President of the Federal Construction Authority in Berlin, Dipl.-Ing. Carl Mertz, was appointed General Manager of the OBG. He took office on June 10, 1969.

May 30, 1969

At the seventh meeting of the OBG it was decided to make a change in the statutes regarding the management. In the future the Company was to be represented by only one General Manager, who would be vested with special and extensive powers.

June 9, 1969

The shell construction of the stadium, the sports hall and the swimming stadium was begun at Oberwiesenfeld.

June 27, 1969

The OBG invited fourteen architects to participate in a restricted competition for the design of the regatta installations in Feldmoching-Oberschleissheim. The main object of the competition was to find a design for the rowing and canoeing courses which would be satisfactory both from the architectural and the economic points of view.

The Executive Board of the OBG approved the construction and functional plans for the competition sites for boxing, fencing, weight-lifting, judo and wrestling. All these sports were to take place in halls situated in the Munich Exhibition Grounds - the second Olympic Center - with the exception of the hall for boxing.

June 30, 1969

In Kiel the earth was broken for the construction of the Olympic Center.

July 1, 1969

In Munich the construction of the Women's Olympic Village began.

July 14, 1969

"Foundation stone of the buildings for the Games of the XXth Olympiad 1972 in Munich, July 14, 1969".

These words were engraved on a 90 cm. x 90 cm. symbolic corner stone laid at a

celebration at Oberwiesenfeld for the Olympic Stadium, sports hall, swimming hall, cycling stadium, volleyball hall, Olympic Village, boxing hall and riding facilities.

July 15, 1969

The Supervisory Board of the OBG cancelled the invitation to tender for the construction of the roof over the Olympic installations, since the offers considerably exceeded the estimated costs. The Board instructed the General Manager to find a satisfactory solution by means of individual negotiations based on the cost estimate.

The statutes of the OBG were changed together with the order of business of its Supervisory Board and its commissions.

The Supervisory Board accepted the functional and construction plans for the regatta course proposed by the OC.

It has decided to build the warm-up hall next to the stadium as a permanent structure as it had been previously considered to set up a temporary building.

August 5, 1969

In Kiel-Schilksee the clearing of sea sand for the foundations of the Olympic Center began.

August 18, 1969

At its twelfth meeting the Supervisory Board of the OBG passed the following resolution:

The erection of the tent roof shall be carried out by three specialist groups, corresponding to the three main elements of the work, namely, structure, foundations and covering. The Management is empowered to:

1. negotiate a cost-price contract with the firm Stahlbau Arbeitsgemeinschaft,
2. award the contract for the foundations to the lowest bidder,
3. award the contract for covering the roof to the lowest bidder.

August 20, 1969

Work started on the buildings for the Central University Sports Facility at Oberwiesenfeld.

September 4, 1969

Excavations for the channel of the regatta course in Feldmoching-Oberschleissheim were begun.

September 9, 1969

Work on the approaches and the buildings for the Men's Olympic Village began.

October 13, 1969

The foundation stone for constructions in the Olympic Center in Kiel-Schilksee was laid by Lord Mayor Bantzer of Kiel.

October 17, 1969

The jury for the competition for the regatta course in Feldmoching-Oberschleissheim unanimously awarded the first prize to architects Michael Eberl & Associates and recommended that the OBG entrust the prize-winner with the execution of the project.

November 15, 1969 to March 17, 1970

Despite the harsh winter of 1969/1970 the basic work at Oberwiesenfeld and Kiel was

completed by appropriate winter construction methods.

November 16, 1969

Work was begun on the last section of the outer approaches to Oberwiesenfeld and on the traffic junction at Hanauer Strasse. The first foundations for the tent roof structure were laid at Oberwiesenfeld.

November 21, 1969

At its seventeenth meeting the Executive Board of the OC passed the following resolution:

Architect Walter Ruhnau, Essen, is entrusted with the planning of artistic displays and entertainment projects at Oberwiesenfeld.

The Werneckwiese in the "English Garden" was chosen as the provisional site for the archery contests, and the corresponding construction and functional plans were approved. The construction and functional plans for the shooting range at Hochbrück were approved.

December 7, 1969

An experimental section of the roof with an area of 200 sq. meters and on a scale of 1:1 was erected at the Olympic Building Center for the purpose of studying all roofing material and drainage problems. This roof was covered with three different translucent materials: Polyester sheets reinforced with fibreglass, a fabric coated with PVC, and acrylic glass. A translucent roof for the stadium was required to meet the requirements of color television. It was necessary to avoid the heavy shadows which would be cast by strong sunlight on the playing ground and athletics arena, since it would otherwise be impossible to obtain a color television picture of good quality.

December 17, 1969

At a top level meeting of the consortium members representing the governments of the Federal Republic of Germany, the State of Bavaria and the City of Munich an agreement was reached on the following points:

1. The previous share of costs resulting from the Olympic buildings would be altered so that the Federal Government would bear 50 % and the other two members 25 % each of the expenses which could not be covered by special financing.
- 2.

The subsequent expenses resulting from the sports facilities constructed at Oberwiesenfeld will be borne by the City of Munich in so far as they are required by local needs according to type, size, furnishings and architectural form. The Federal Government is prepared to cover its portion in one payment.

3. The City of Munich assumes the juridical responsibility for the sports facilities at Oberwiesenfeld. The State of Bavaria takes over the Central University Sports Facility. This ruling requires the agreement of the responsible decision — making boards of the consortium members.

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The development and execution of the roof. The model photo in the middle of the page shows the stadium roof in a wind tunnel test. The other illustrations show some of the various phases of the construction: preparation of the cable network on the ground; various connecting points of the primary cable network construction; erection of the cable network; application of the acrylic glass (the sheets are secured to the cable network with neoprene buffers).

Page 18

The concrete diagonal frames of the west grandstand, which serve as supports for the grandstand girders, are surrounded by scaffolding and covered with a shell. The prefabricated steps (form profile 80 cm x 60 cm) are lifted into place and mounted. They were produced in six West German concrete plants according to a unified process which was developed for the stadium and the sports hall.

The new representative of the Federal Government on the Supervisory Board of the OBG, Federal Minister of Finance Alex Möller, was elected deputy chairman of the Supervisory Board. Dr. Konrad Pöhner was elected Chairman of the Supervisory Board, succeeding Federal Minister of Finances Dr. h. c. Franz-Josef Strauss.

The basketball hall project as approved, the execution of which was given to the firm Dörken & Fröhlich, Gevelsberg, in accordance with the plans of architect Flinkerbusch, Hagen.

The project for the regatta course in Feldmoching-Oberschleissheim was also approved.

The Supervisory Board also recognized that the interests of the future holders of the sports facilities at Oberwiesenfeld were to be taken over by the Munich Stadium Company, Ltd. as of January 1, 1970.

January 1, 1970

Otto Hermann Grüneberg and Johannes Galandi assumed their duties as Business Manager and Technical Manager, respectively, of the OBG.

January 23, 1970

At its eighteenth meeting the Executive Board of the OC approved the extended construction and functional plans for the canoe slalom course in Augsburg. The Board confirmed Augsburg as the site with the provision that the buildings for the course would be constructed according to the ideas of the international federation, and that the intended test with models should turn out satisfactorily.

The hockey tournament was scheduled to be played on a provisional field north of the grounds of the Central University Sports Facility. In agreement with the Munich Exhibition Company, a new hall with capacity for 5,000 spectators was to be built in the exhibition grounds to serve as the site for the wrestling and judo contests during the Games.

March 15, 1970

To the west of the Olympic Stadium work was begun on the warm-up hall which was to contain a banked circular track 200 m. in length, a sprinting track and facilities for practising all jumping disciplines and shot put.

March 16, 1970

An agreement was signed making the Munich Student Organization the building authority for the construction of the Women's Olympic Village.

March 18, 1970

Work was begun on extending the yachting harbor at Kiel-Wik.

April 17, 1970

At the nineteenth meeting of the Executive Board of the OC the following resolutions were passed:

The Board recommends that the OBG install Recortan artificial tracks at the competition sites and training grounds. The decision for the type of paving is the result of a year-long research by the Otto Graf Institute of the University of Stuttgart and the Institute for Sport Site Construction of the German Sport Federation.

The firms Longines, Switzerland, and Junghans, Germany, were charged with the timing of the Olympic events. Junghans was to time track and field, riding, rowing, canoeing, football, archery, hockey, volleyball, shooting and yachting. Longines was to time swimming, cycling, handball, gymnastics, wrestling, judo, weight-lifting, fencing, boxing and basketball.

The Board confirmed Augsburg as the site for the canoe slalom.

May 12, 1970

Work commenced on preparing the grass playing field in the Olympic Stadium. For the first time in Germany a warm-water heating system was installed beneath a playing field. Topsoil for the turf was spread consisting of sand with soil improvement additives and fertilizer.

May 13, 1970

The construction committee of the OBG approved extensions of the projects and construction and functional plans for the shooting range at Hochbruck and the equestrian installations at Riem as well as for the Dantebad in Munich.

June 1, 1970

The shell constructions for the Olympic Center in Kiel began with the erection of the main building, 400 meters in length. During the Olympic yachting events the building was to accommodate and cater to the members of the jury and the regatta officials, and to house part of the press center.

At the same time work commenced on the high rise buildings with 120 apartments and the 32 detached houses for the competitors.

June 15, 1970

Construction of the basketball hall in Munich was begun.

June 30, 1970

The General Manager of the OBG issued a report on the stage reached in the planning and construction work for the Olympic buildings. State of completion of shell construction:

Stadium	80 %
Sports hall	80 %
Swimming stadium	67 %
Central University Sports Facility	85 %
The foundations for the roof between 50 and 60 %	
Olympic Village Center	25 %
Living quarters in the Village	18 %
Women's Village	80 %

Three thousand workers were employed at Oberwiesenfeld at the time of the report.

The regatta basin was 2/3 finished. The Dante Stadium was to be finished for the "Hans Braun Sport Festival" on July 12, 1970.

Work on the Post Stadium was also to have been finished on July 12. December 31, 1971 was the date named as the deadline for the completion of all buildings.

July 1, 1970

The Executive Board of the OC approved the plans for the entertainment street in the southern section of Oberwiesenfeld.

July 2, 1970

In Feldmoching-Oberschleissheim construction of the spectators' stands began with roofed accommodations for 8,000 and uncovered accommodations for 16,000. Work began also on the boathouses and other buildings.

July 3, 1970

Work was begun at the shooting range at Hochbruck, 7 km. north of the Olympic grounds. This installation was designed by the architects' team Wolfgang Kleibömer, Hamburg, Erich Stein and Michael Eberl, Munich. They were a team formed from participants chosen in a limited architectural competition.

July 7, 1970

Pre-stressed acrylic glass was chosen for covering the tent roof over the stadium, swimming hall and sports hall after the advice and suggestion of the technical consultants of the OBG against the suggestion proposed by the business management-sheeting — on account of its translucence and fireproof qualities.

July 13, 1970

Federal Minister Lauritz Lauritzen was elected chairman of the OBG building commission by a decision of the Supervisory Board.

July 15, 1970

The shell construction of the stands on the west side of the Olympic Stadium was finished on time by the application of modern methods, such as the utilization of minutely detailed concrete castings on location for the main structure and the use of prefabricated building elements for the grandstand steps.

July 20, 1970

The earthworks started on the canoe slalom course in Augsburg which was planned by the team of architects R. Bockel and E. K. Müller of Augsburg. The free areas and spectator facilities were designed by G. Hansjakob, Munich.

July 23, 1970

The shell construction of the large buildings at Oberwiesenfeld having been terminated, the topping-off ceremony was celebrated with 4,000 workmen.

August 1, 1970

The construction of the cycling stadium at Oberwiesenfeld was begun. This stadium was designed by architects Beier, Dahms, Grube, Harden, Kaiser and Laskowski, Braunschweig, in cooperation with architect Schürmann from Münster. The preparatory work consisted in demolishing the Federal Railway Locomotive Repair Shop North.

August 6, 1970

The playing field in the Olympic Stadium was sown with grass after the installation of the heating system and the replacement of the topsoil.

Page 22

The swimming hall and sports hall receive a transparent, heat conserving addition made of polyester coated material with middle layers of polyvinyl-chloride material which is suspended at least 50 cm below the cable network for construction reasons.

August 20, 1970

The erection of the pylons for the tent roof began.

August 27, 1970

Construction of the riding installation in Munich-Riem began with the demolition of the old riding hall.

September 18, 1970

The number of spectators to be admitted to the opening and closing ceremonies at the Olympic Center in Kiel-Schilksee was fixed at 8,000 of which 2,500 would be seated.

October 29, 1970

The topping-off ceremony for the sports buildings in the Olympic Center at Kiel-Schilksee was celebrated.

December 7, 1970

After two years of planning and the investigation of numerous alternatives, the Executive Board of the OC decided that the original plan calling for accommodating the Press Center in a rented building built by independent construction companies had to be abandoned for financial reasons and instead contracted the OBG with the construction of the Press Center. The design was conceived so that the building could be used as a school after the Olympics. On about 16,000 sq. meters of usable space the four-story building would contain accreditation offices, a post office, a printing press for results, offices for news agencies and a self-service restaurant.

Work commenced on the Olympic Youth Camp at Kiel-Falkenstein.

December 9, 1970

The section of the "Mittlerer Ring" road which connects with the approaches to the northern and southern areas of Oberwiesenfeld was opened to traffic.

December 11, 1970

The construction of the new wrestling hall, designed by architect Peter Lanz, Munich, was begun.

December 14, 1970

The shell construction of the installations for the regatta course at Feldmoching-Oberschleißheim having been completed, the topping-off ceremony for these buildings was celebrated.

December 18, 1970

At its fifteenth meeting the Supervisory Board of the OBG approved a series of additional measures in the cycling stadium, the sports hall, and the swimming hall in view of their post-Olympic use.

The Supervisory Board agreed to the suggestion of the OC that the Press Center should be built on Riess Strasse by the OBG.

The Supervisory Board acknowledged and approved the artistic measures for the sports sites and the erection of a peace monument (Belin Sculpture) on the "rubble heap" by the OBG.

January 8 to 9, 1971

At its 21st meeting the Executive Board of the OC passed the following resolutions: The Olympic boxing competitions will take place in the already existing ice skating rink at Oberwiesenfeld. Extensive alterations will be required.

Cancelling the previous resolution, the Grand Prix jumping competition individual event and the jumping competitions in the three-day-event and modern pentathlon will be held in a riding stadium at Riem which will be a permanent building.

After investigating the feasibility of the conversion of one of Munich's sports facilities to an Olympic land hockey installation (with seven plying fields and space for 20,000 to 30,000 spectators, 10,000 of these for the main field), the Executive Board of the OC decided to reject the solution and accommodate the hockey installation in the north part of the ZHS.

January 15, 1971

The heaviest mast-head for the tent roof was fitted into place above the swimming stadium. The laying out of the cable network for the tent roof was begun.

January 26, 1971

A test lighting of the Olympic flame was carried out on the eastern grandstand of the stadium.

February 16, 1971

The turning loop for trams at the southern section of Oberwiesenfeld was completed.

February 25, 1971

The topping-off ceremony was celebrated for the suburban railway station at the western boundary of the Olympic grounds.

March 2, 1971

The athletic warm-up hall with a 200 m. long track was completed in the rough. Constructed below ground level for half of its height, the hall measured 90 m. by 48 m. and connected with the Olympic Stadium by a tunnel 50 meters in length.

March 11, 1971

Construction of a 3.5 km. pipeline from the planned gasturbine heating plant at Freimann, which was to heat all buildings at Oberwiesenfeld, began.

March 15, 1971

Construction of the Press Center designed by the Architekturbüro Plan GmbH was begun.

March 16, 1971

Awards were made for the first art competition for the Olympic grounds. Artist Otto Piene, Düsseldorf, received the 1st prize for his "Light Satellite" design which was later erected in the quadrangle of the Central University Sports Facility. Piene's "Light Satellite" is an artificial star which shines by day and by night. It is composed of pieces of glass and is suspended in a steel framework 20 m. high. During the day it reflects the sunlight, while at night it is illuminated by sharply focused beams of light or by three-color laser rays. A second "star" is fixed to the ground centrally below the supporting steel structure.

March 20, 1971

With the exception of the volleyball hall, the Central University Sports Facility was put at the disposal of the German Olympic Center (DOZ) for further equipment. This Center, established by the German Radio and Television networks ARD and ZDF, is responsible for all broadcasts and TV transmission concerning the Olympic Games.

April 1, 1971

The construction of the basketball hall reached an important stage. A concrete slab 14 meters in diameter and weighing 90 tons was raised to a height of 12 meters and supported by scaffolding. This slab formed the middle and focal point of the cone-shaped suspended roof. Afterwards began the installation of the 4 mm. thick sheet-metal roof. The hall was to be roofed before the middle of July.

April 7, 1971

The topping-off ceremony for the two highrise apartment houses in the Olympic Village was celebrated.

April 29, 1971

Construction of the riding stadium in Riem began.

May 1, 1971

The installation of the electronic computer center at the Olympic stadium was completed. Results from all competition sites were to be fed into this center. Trial runs were made with the computers to check their functioning.

May 10, 1971

The construction of the provisional refreshment stations in the southern area of Oberwiesenfeld was begun.

Workers started raising the completed cable network for the tent roof above the swimming stadium.

May 13, 1971

Erection of the two floodlight masts on the east side of the Olympic Stadium started.

May 14, 1971

At its 22nd meeting the Executive Board of the OC agreed on provisions for catering facilities at Oberwiesenfeld. The OBG was commissioned to design and build the temporary refreshment stands. The site for archery in the "English Garden" was approved together with its final construction and functional plans.

May 15, 1971

650 lamps were mounted on 23 masts along the section of the Mittlerer Ring which separates the northern and southern parts of Oberwiesenfeld. The lamps were installed according to a new system which keeps the lighting from blinding the motorists.

May 22, 1971

Water was let into the canoe slalom course at Augsburg for the first time. Work was begun on the stands along the course, the rooms for competitors, the administrative building and the boathouses.

June 9, 1971

The yachting harbor for visitors' boats at Kiel-Wik was completed.

June 14, 1971

In the course of assembling the tent roof the heads were fitted to the two 80 m. high main masts for the sports hall. The ten smaller supports and the two flying supports, together with the assembly cables, were erected around the stadium permitting the entire steel cable network with the standard mesh dimension of 75 cm. by 75 cm. to be raised on to the main supports. This phase had to be carried out centimeter by centimeter with the aid of pulley blocks.

Captions for pages 24/25

No. 1:
The artificial lake is filled. View of a part of the Olympic Center with the sports hall and swimming hall seen from the southern shore of the lake at the foot of the "rubble hill".

No. 2:
Grandstands with seats and the finish line referee's turret at the northeast of the regatta course.

No. 3:
Rough construction is finished in the warm-up hall for track and field athletes, to the west of the Stadium.

Nos. 4 and 5:
Every day the construction site attracts a large number of interested people up to the "rubble hill" which is equipped with footpaths and a viewing platform.

No. 6:
The construction schedule of the Olympic Village can be kept by extensive use of prefabricated elements.

No. 7:
In the equestrian stadium at Riem the essential rough construction has also been completed.

No. 8:
The Lecture Hall Building of the Central University Sports Facility during the interior work.

No. 9:
Terraced buildings of the Olympic Village.

No. 10:
The temporary bleachers of the hockey stadium are erected at the north of the Central University Sports Facility.

June 20, 1971
In the Olympic Stadium work commenced on the installation of a telephone exchange with 396 post office lines and 4,000 extensions.

June 29, 1971
The shell construction of the cycling stadium was completed. The track surface made of Doussie Afzelia hardwood was almost finished after six weeks of work.

June 30, 1971
A floating stage was installed on the lake in the southern part of Oberwiesenfeld. The area of this lake is 80,000 sq. meters.

July 1, 1971
Construction of the provisional refreshment room in the northern section of Oberwiesenfeld commenced.

July 2, 1971
The shell construction of the basketball hall was completed and the topping-off ceremony was held.

July 16, 1971
The topping-off ceremony for the Munich Press City was celebrated.

July 20, 1971
The suburban railroad station to the west of Oberwiesenfeld was finished.

August 1, 1971
The last section of the second high bridge across the Kiel Canal at Holtenau was placed in position.

August 2, 1971
The OBG reported on the stage of completion of the Olympic buildings:
Stadium 70%
Sportshall 70%
Swimming stadium 65%
Roof: Stadium 50%
Roof: Sports hall 70%
Roof: Swimming stadium 80%
Central University Sports Facility with volleyball hall 75%
Regatta course at Feldmoching-Oberschleissheim 80%
Shooting range at Hochbruck 80%
Equestrian installation, Riem 65%
Basketball hall 60%
Wrestling hall 35%
Canoe slalom course, Augsburg . . . 70%
Olympic Village:
Women's Village 70%
Men's Village (high-rise buildings) . . 70%
Men's Village (low buildings) 40%
Dining hall 65%
Press City 70%
Press Center 45%
Road constructions 70%
Dante swimming-pool 60%
Dante stadium 100%

August 6, 1971
The topping-off ceremony for the riding stadium and equestrian installations was celebrated in Munich-Riem.

August 16, 1971
Work was begun on covering the tent roof. The cable network above the sports hall and the swimming stadium had already been linked up and tensioned. Under the network of the swimming stadium an insulation layer of translucent sheeting was fitted.

3 m. x 3 m. panels of transparent acrylic glass were screwed to the upper side of the network.

August 20, 1971
The basin of the rowing and canoeing regatta course at Feldmoching-Oberschleissheim was stocked with 20,000 mountain and rainbow trout. The fish keep the water clean and hinder the water plants from growing too thick.

August 26, 1971
The topping-off ceremony was celebrated for the Press Center.

At this time 6,050 workmen were employed on the Olympic grounds:
2,000 in the Olympic Village
1,350 in the competition installations
1,500 on underground construction
1,200 in the Press City and the Press Center.
In addition 1,440 workmen were engaged in construction work outside Olympic Park.

October 7, 1971
The shell construction of the high-rise buildings at the canoe slalom course in Augsburg were finished. The topping-off ceremony was celebrated with great solemnity.

November 4, 1971
The topping-off ceremony for the entire tent roof was celebrated earlier than planned and before ice and snow could seriously hinder construction work. This was the one of the most significant events at Oberwiesenfeld. The roof was lifted in position and was partly covered.

November 16, 1971
Federal Minister Prof. Dr. Karl Schiller was elected deputy chairman of the Supervisory Board to succeed Dr. Alex Möller.

December 15, 1971
The planting of trees and shrubs at the Olympic Center in Kiel-Schilksee was completed.

The lake at Oberwiesenfeld was filled by opening the gates of the supply channel near the cycling stadium.

December 16, 1971
The sports facilities were inspected by the budget committee of the Bundestag and consultations were held with leading figures of the OC and OBG.

January 10, 1972
The conversion of the ice sport hall near the television tower to a boxing hall commenced.

The first student apartment blocks between Winzerer and Lerchenauer Streets were handed over to the OC.

January 12, 1972
The warm-up hall next to the Olympic Stadium was finished.

January 24, 1972
The sea-water pool in the swimming stadium at the Olympic Center in Kiel-Schilksee was filled for the first time.

February 4, 1972
Work on the tent roof had to be temporarily suspended on account of wintry weather.

February 16, 1972
The first houses of the Olympic Village were ready for use and were handed over to the OC.

March 9, 1972
Testing of the scoreboards began in the Olympic Stadium.

March 15, 1972
Five months before the commencement of the Olympic Games, the government bill dealing with the costs of the Olympic buildings was submitted to the Sport and Budget Committees of the Bundestag. The bill stipulated that the Federal Government make a single lump-sum payment of 130 million DM to the City of Munich.

In an official ceremony the keys of the Olympic Village were handed over to its Mayor, Walther Tröger, by the "Olympisches Dorf Massnahmeträger Gesellschaft mbH & Co.", Munich. The Town Hall of the Village, a sixteen-story building, provided accommodation for the 100 officials who looked after the athletes and their 3,000 assistants, for the direction center of the OC and the 200 security officers of the Olympic Village. The Town Hall also contained weighing and medical examination rooms for wrestlers, boxers, judokas and weight-lifters, and the stores for the medical center.

March 23, 1972
A fitness center with about fifty athletic appliances was opened in the administrative building of the Olympic Village.

April 1, 1972
The Secretariat General of the OC submitted a report on the preparations for the Games to the Executive Board. Here are some extracts from the most important items:

The Stadium in Olympic Park is finished and the work on the interior, including the heating and ventilation is completed. At the beginning of 1972 the installation of the scoreboards reached the stage where testing could begin.

The warm-up hall was finished at the end of the year and completely laid out with Recortan. The Olympic Stadium will be officially opened on May 26, 1972 with the international football match between Germany and the U. S. S. R.

The shell construction of the sports hall in Olympic Park is finished. At the present time the landing areas in the interior are under construction. Hitherto it has been possible to adhere to all completion dates for the installation of the control room, control desks and the scoreboards, and for the work in the warm-up hall, the gymnasium and conditioning room. The roofing of the sports hall was finished on January 31, 1972.

Rental agreements have been concluded with the proprietors of the competition sites for handball (Augsburg, Göppingen, Böblingen, Ulm) situated outside Munich. Every hall concerned will be provided with new lighting equipment with an illuminating power of 1,875 lux (new value) as demanded by the German Olympic Center.

The competition pools in the swimming stadium have been tiled. The changing-

rooms, showers and sanitary cabins in front of them are nearly completed; the rooms for the competition management on the pool floor level, the offices of the International Swimming Federation (FINA), the German Swimming Federation, the OC and the stadium management, the massage and rest rooms need only technical equipment and furniture.

The completion dates involved in the construction of the cycling stadium were kept. The competitors' quarters and the covered store in the interior are completed, the lighting equipment has been installed. The conversion of the ice stadium into a boxing stadium was started on January 10, 1972. The improved lighting installation is 80% completed, the construction of the tubular steel grandstands is finished. The referees' changing rooms and lounges are in course of reconstruction.

Work on the volleyball hall is proceeding according to schedule. The shell construction was finished at the end of 1970 and now the work on the interior is 80% completed. The elastic floor with a PVC surface has already been laid in the warm-up hall. The supporting structure for the elastic floor has been installed in the competition arena. Work will be continued after a further series of tests for the choice of color and the determination of the slip resistance of the PVC surface. The seating in the grandstands is completely finished.

The Executive Board of the OC has accepted badminton and water skiing as demonstration sports.

The demonstration competitions in badminton will be divided into three sections and held in the volleyball hall on September 4, 1972.

There will be a water-skiing demonstration on September 1 and 2, 1972 at the Hindenburgufer in Kiel.

All six hockey competition fields are ready for play. Additional grandstands providing standing room for 2,000 spectators have been erected between fields 4 and 5. All roads to the hockey grounds, together with the parking lots, will be completed by April, 1972. The basin of the regatta course channel in Feldmoching-Oberschleissheim was completed in August, 1971. The technical equipment is installed. The whole course will be ready for use in April, 1972; it will be available for training as of August 1, 1972. The technical equipment will then be adjusted for rowing, since the Olympic rowing events will start on August 27, 1972. Two of the six lanes will be reserved for canoeists, the two fields of activity being separated from each other by a wave-breaking barrier.

The shell construction of the wrestling and judo hall at the Exhibition Grounds was completed and the topping-off ceremony celebrated on November 25, 1971. The date for starting the reconstruction of the training hall for judo, Hall 18 at the Exhibition Ground has been fixed by the OBG for April 26, 1972. Interior work in the fencing halls 1 and 2 in these grounds will begin at the end of April, 1972. The competition course for canoe slalom at Augsburg is completed. Interior work on the building has begun. In the riding stadium at Munich-Riem

the shell construction of the covered grandstands has advanced to the stage where interior work can start. The administrative area which will be used only for the contests during the Olympic Games will, for reasons of economy, be a provisional installation incorporated with the grandstands. The turf was laid in the autumn. Three of the new Olympia-type stables have been completed; the interior work on the other two is now in progress. The grass seed for the turf on the training grounds was sown in autumn, 1971. The sand areas will be finished in the spring of 1972.

The planning of the building work for the dressage events in Nymphenburg Park is completed; building will begin in April, 1972.

The shooting range at Hochbrück is 90% completed and work has now begun on the interior of the administrative building and the restaurant. The technical equipment for shooting is being tested at the present time.

The section of the Munich-Lindau motorway intended for the 100 km. team road race has been completed as far as Schäftlarn. The overpasses for pedestrians have been prepared and can be put in place shortly before the event.

Structural alternations to the course for the individual road race, with start and finish in Grünwald, were made in accordance with the suggestions of the International Amateur Cyclists Federation.

The earth work for the archery competition site in the "English Garden" is finished. The competitions in riding, fencing, shooting and swimming for the modern pentathlon will take place on sites suited to these special disciplines. An area must still be found, however, for the 4,000 meter cross-country running contest. Since the Olympic hill best meets the requirements for this event, the Olympic Stadium was chosen as the starting and finishing point.

April 21, 1972

The last of the acrylic glass panels, each 9 sq. m. in size, was attached to the roof of the Olympic Stadium.

April 22, 1972

The installation of the electrical equipment in the interior of the Olympic Stadium for the information of spectators and athletes was completed.

A cluster of 80 loudspeakers situated under the roof above the western grandstand was arranged so that all grandstands received a uniform level of sound. The spectators sitting directly below this cluster were served by an additional row of loudspeakers located at the edge of the arena. Sixteen rows of loudspeakers placed around the track were reserved exclusively for musical entertainments.

The loudspeaker cluster, which weighs 500 kg., is composed of 26 pressure chambers and 54 cone loudspeakers, operated from the control room situated above the grandstands. This room contains 15 amplifiers of 100 watts output each, two tape recorders and two record players.

A total of 20 microphones are distributed between the announcer's cubicle, the

competition management office, the presidential box, the sound and technical room and the sport direction room. Ten additional microphone connections are located in the reporters' dug-out between the track and the grandstands. They enable official announcements to be made directly from the arena.

April 25, 1972

The memorial stone from the ruins of Olympia, which was taken from the 2,700 year-old Echo Hall, was placed in its position in the Forum of the Olympic Men's Village.

May 2, 1972

The basketball hall was completed after about two years' building time.

The building company "Neue Heimat", Hamburg, completed the principal building of the Olympic Center in Kiel containing administrative offices and apartments, together with a promenade. The Company handed over the building to the City of Kiel, and some departments of the OC moved in.

May 8, 1972

The Munich municipal transport organization opened subway line No. 3 running from Goetheplatz to the Olympic Center.

Work was started on laying the Recortan track over a total area of 6,900 sq.m. For putting down this surfacing material the outdoor temperature must be over 12° centigrade and the atmospheric humidity less than 70%.

May 13, 1972

An agreement was signed between the OC and an electrical manufacturer for the supply of 8,636 television sets. These were used for live transmissions in the Olympic Village and at various competition sites.

May 26, 1972

The Olympic Stadium was inaugurated with an international football championship match between Germany and the U.S.S.R. All administrative and security arrangements for the filling and emptying of the stadium and for the transportation of the spectators after the match proved satisfactory.

The illumination by the 550 high-efficiency lamps on the floodlighting masts satisfied the requirements of sport and of television. Halogen metal-vapor lamps were used. They provided an illumination similar to daylight and received special praise from the players.

During this game wind velocities of 6 and 10 were recorded at Oberwiesefeld but the wind force was considerably less at the playing level. Practical experience thus agreed with the tests carried out on models in a wind tunnel.

June 22, 1972

Europe's first pneumatic refuse disposal installation was put into operation in the Olympic Village.

June 25, 1972

The official acceptance of the Olympic buildings and their transfer from the OBG to the OC was begun and continued until July 31. In the case of certain provisional installations, such as at Nymphenburg and the exhibition ground the transfers did not take place until August 25.

June 29, 1972

In the Pavilion of the Olympic Building Center, Federal Minister of the Interior Hans-Dietrich Genscher, State Minister of Finance Dr. Ludwig Huber and Lord Mayor Dr. Hans-Jochen Vogel, signed a new consortium agreement concerning the construction, financing, responsibility for and costs of the buildings and equipment for the Olympic Games. According to this agreement, the Federal Government undertook to finance 50% of the total cost that was not covered by funds from outside sources, while the Bavarian Free State and the City of Munich each contributed 25% of this sum (See Vol. 1). On the same day, in the presence of Federal Chancellor Dr. h.c. Willy Brandt and many guests of honor, a symbolic ceremony took place in the sports hall at which all completed sports installations for the Olympic Games were formally handed over by the General Manager of the OBG, Dipl.-Ing. Carl Mertz to the President of the OC, Herr Willi Daume.

July 2, 1972

The Olympic Center in Kiel-Schilksee was officially handed over to the OC. Mayor Gunther Bantzer symbolically presented a key to the Chairman of the Committee for the Olympic Yachting Events Kiel 1972, Berthold Beitz.

July 12, 1972

The park paths in Munich which would be used for the Olympic walking and marathon events, were sprayed with a plastic substance to bind the fine loose gravel.

July 12, 1972

The Olympic flame was lighted in a try-out on top of the three-step structure in the harbor of the Olympic Center at Kiel-Schilksee.

July 14, 1972

After a construction period of two years the South Restaurant was opened as the first of four restaurants for visitors to the Olympic Park.

July 21, 1972

The buildings for the Olympic Youth Camp in Munich were completed.

August 1, 1972

The Olympic Village and the Press City were opened for Olympic use.

August 10, 1972

The Press Center in Kiel was opened.

August 26, 1972

The Games of the XXth Olympiad were opened in the Olympic Stadium.

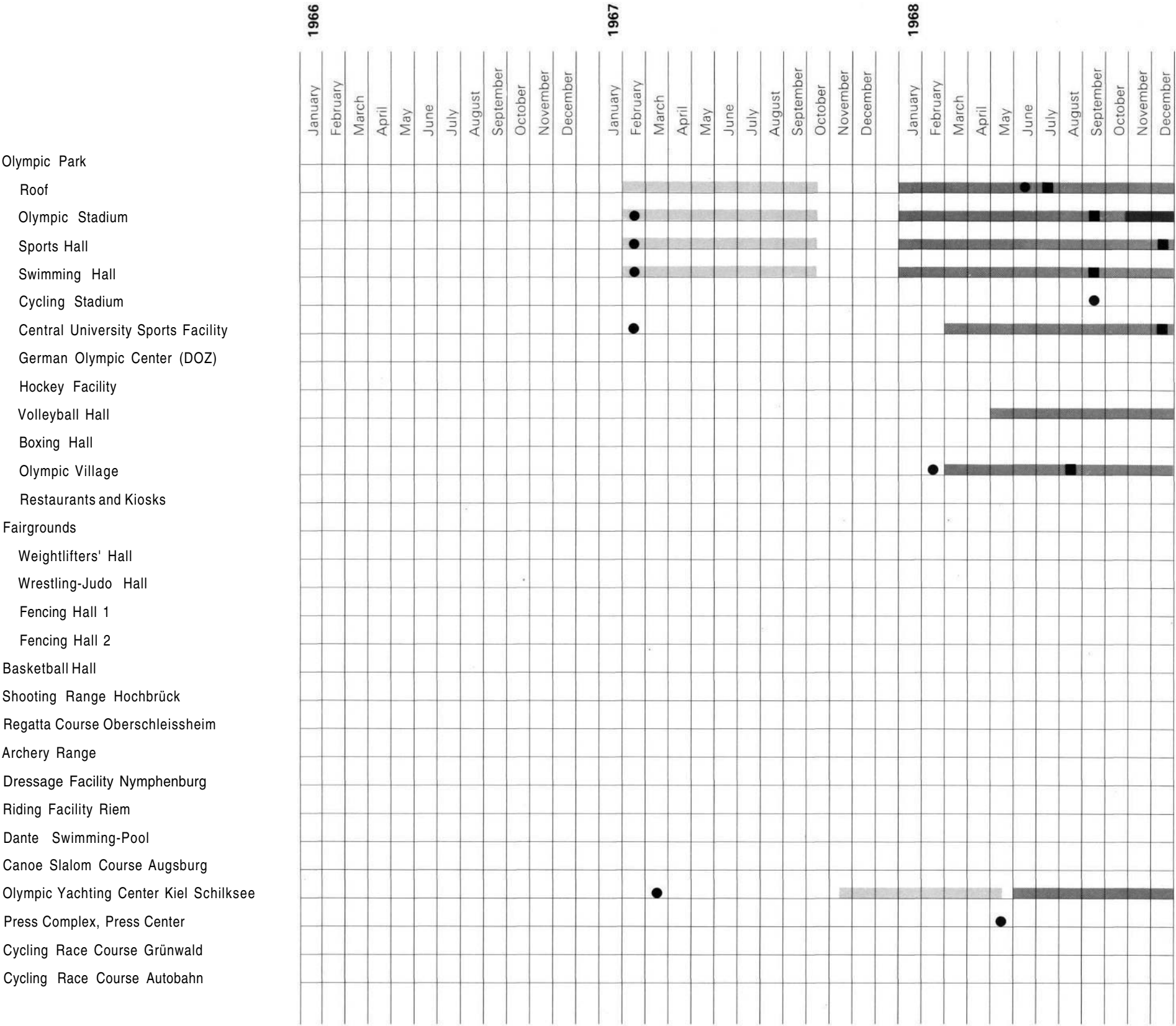
August 28, 1972

The opening ceremony for the Olympic yachting events took place in the Olympic Center at Kiel-Schilksee.

September 16, 1972

The OBG handed the Olympic hall as the first sport site over to its future holders, the Munich Olympia Park Co. Ltd. The greater part of the sports facilities were transferred before October 1, 1972. The final transfer followed the completion of the cafeteria at the end of November, 1973.

Schedule of the
planning and construction



Organizing
Committee
Board
Decision

Competition

Planning

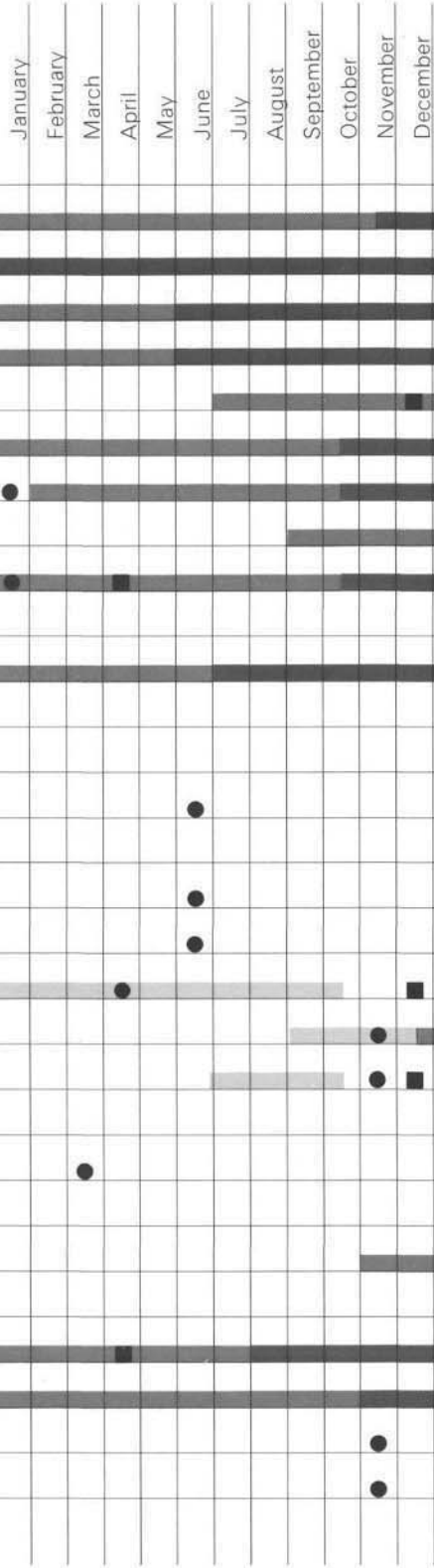
Project Approval
by either
the OBG or
the Organizing
Committee

Basic
Construction

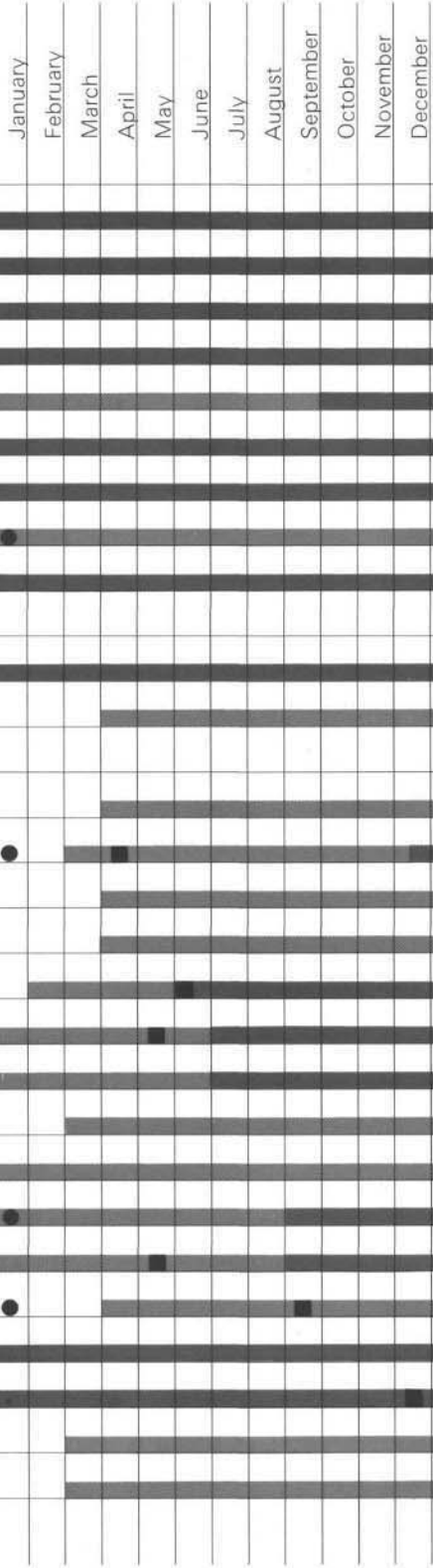
Completion



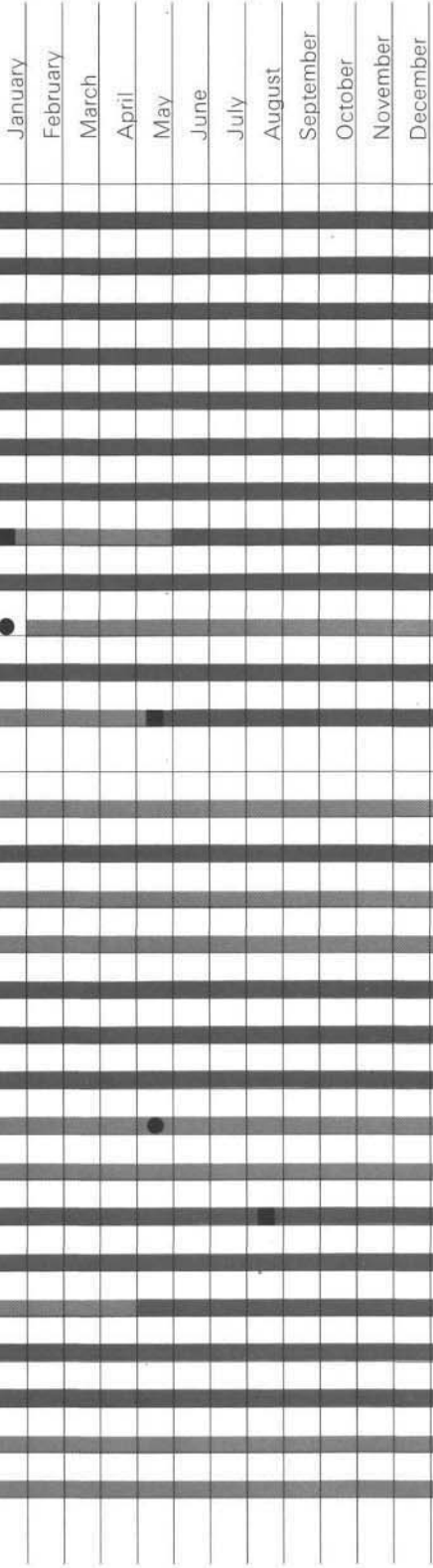
1969



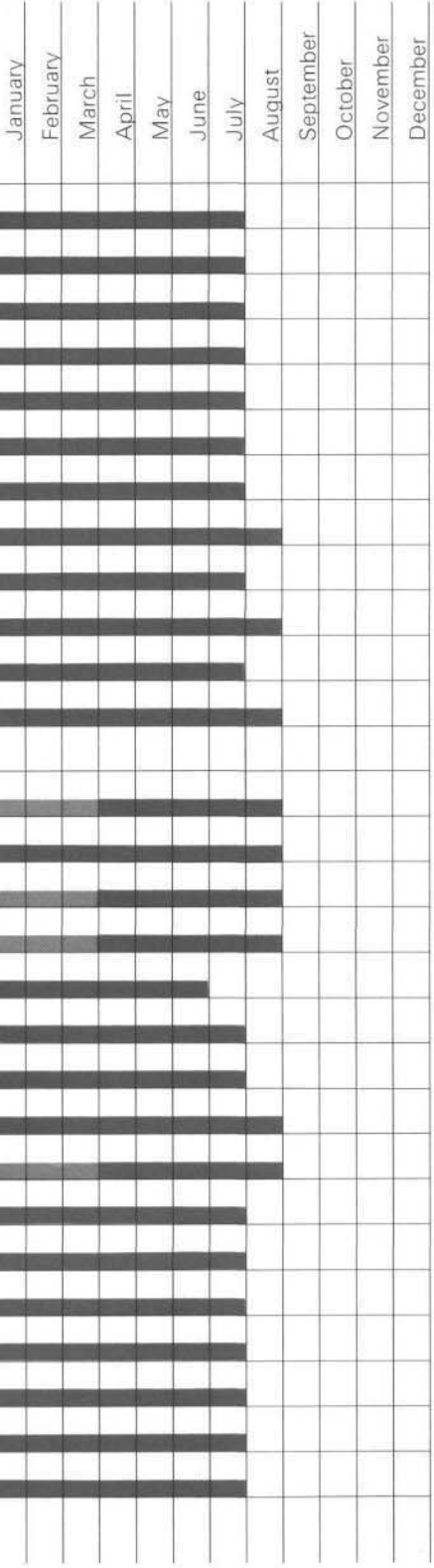
1970

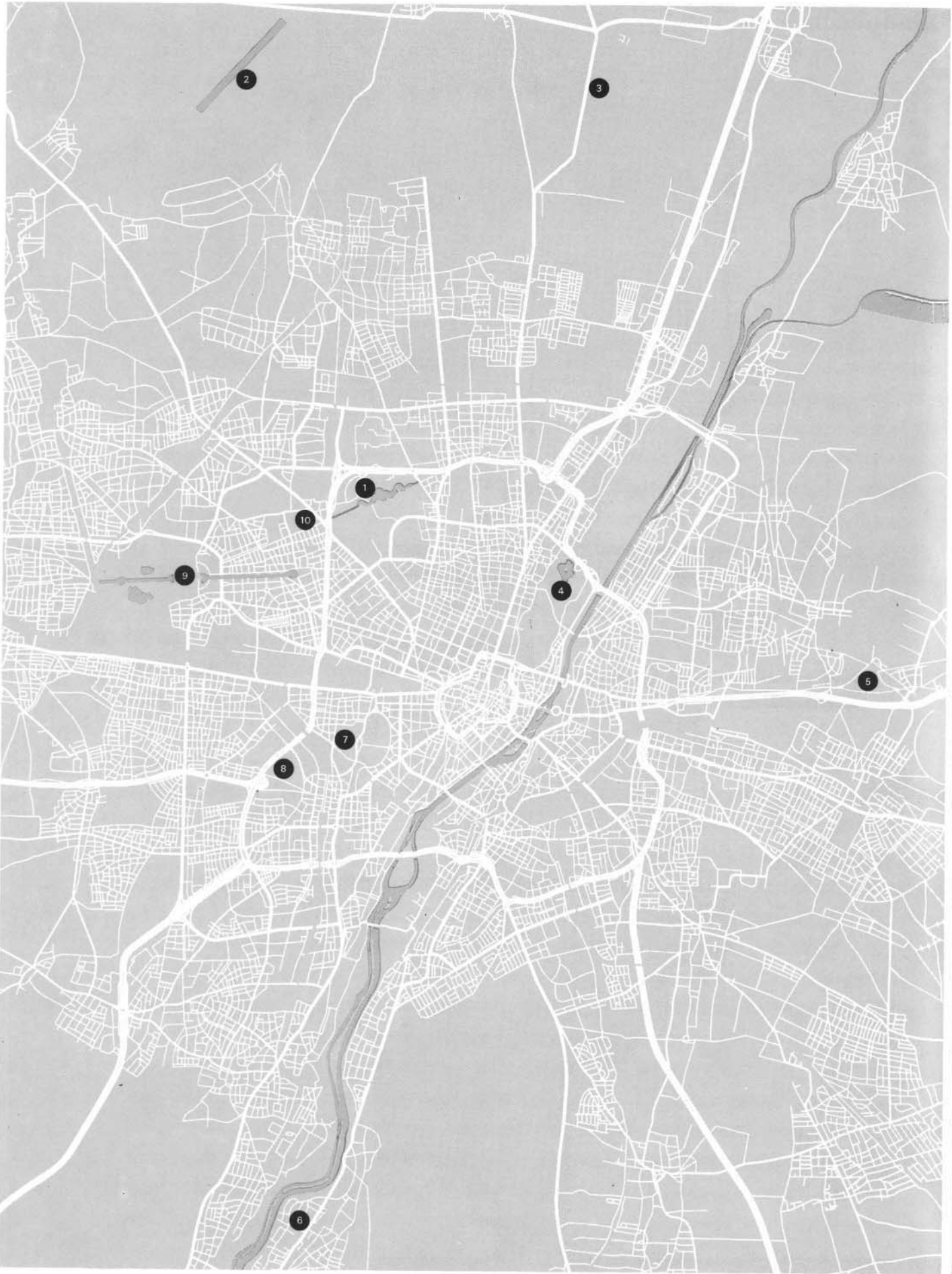


1971



1972





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2 Regatta Course		
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3 Shooting Range		
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6 Cycling Course		
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Sports Sites outside Munich

Canoe Slalom Course		
Augsburg	154	208
Olympic Yachting		
Center Kiel-Schilksee	160	209

**Central University Sports Facility
- ZHS - in Olympic Park
including its outdoor facilities
(Volleyball Hall excluded)**

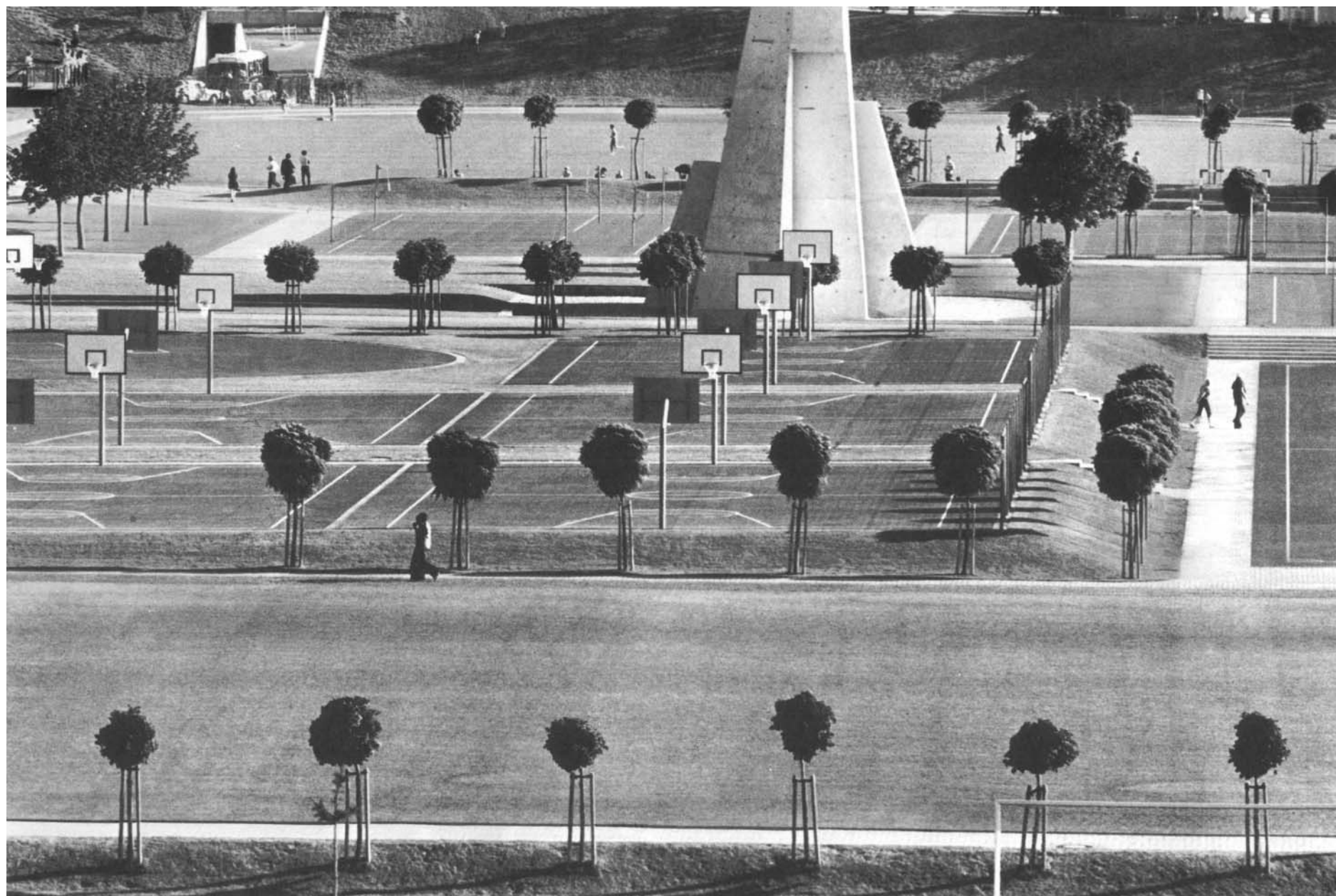
Architects:
Heinle, Wischer and Associates,
Stuttgart/Munich



**Olympic Use of the
Complete Complex
Layout diagram**

- 1 Hockey facilities
- 2 Kosoczinskidamm
- 3 Men's Olympic Village
- 4 Water-permeable playing fields
- 5 Playing fields for hockey
- 6 Playing fields for lawn games
- 7 Handball courts
- 8 All-weather area
- 9 Basketball courts
- 10 Small game fields for hockey and handball

- 11 Practice field with rocks for scaling
- 12 Volleyball courts
- 13 Throwing field and circuit training area
- 14 Competition tracktype C
- 15 Training facility for high jump, broad jump, polevault, and shotput
- 16 Competition tracktype B
- 17 Women's Olympic Village
- 18 Gardner's area

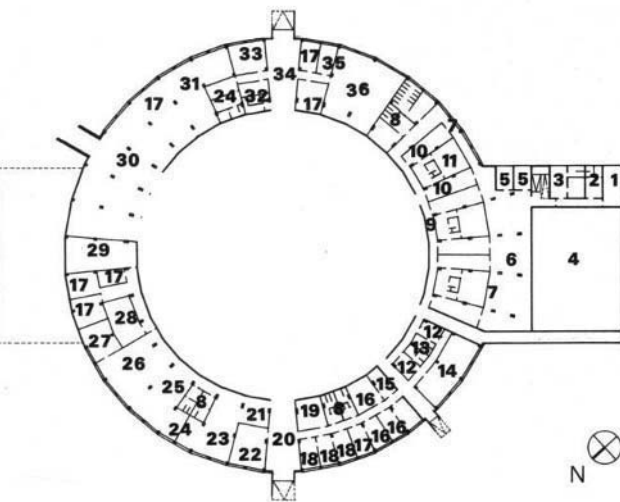
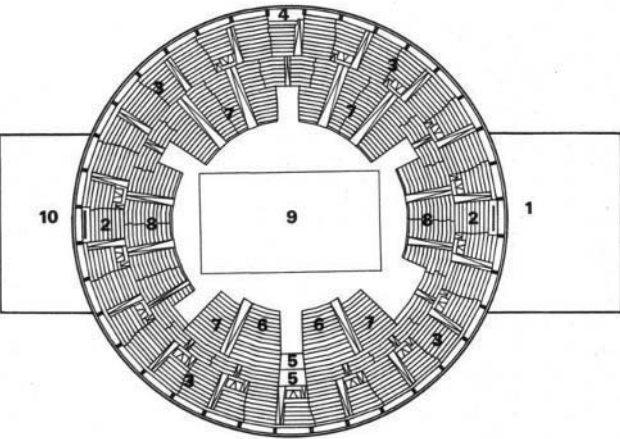
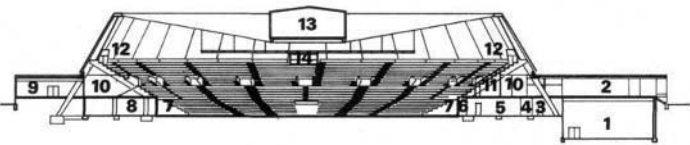


The embankments which divide these areas follow a natural course. They are planted at intervals with single large trees.

The strictly formal and geometrical shape of the games and sports areas themselves is in sharp contrast to this landscape. Straight banks at right angles to each other separate the individual playing fields and training areas. Tapering or crooked banks are given additional emphasis with paving stones; at other points, they are separated by log steps. Where the banks form pyramidal plateaus they are used as assembly and outlook points. The paths are laid partly inside and partly on top of the banks. The geometrical impression is further reinforced by round-topped maples and acacias.

The grounds for athletics and the large playing fields presented a scene of animated training activity during the Olympic Games. The sport-loving public, standing on the large outer embankments, and the trainers, coaches and athletes from other sports inside the training grounds watched the progress of training with great interest. The small playing fields near the ZHS buildings were comparatively neglected. This is explained by the fact that sports such as handball, basketball and volleyball, which require only a small field, were played in indoor stadia during the Olympic Games and therefore the teams trained indoors instead of in the open. But the concrete rock for climbing practice in the center of the small playing field area soon became a landmark and focal point for the athletes. Some of them learned climbing for the first time on this artificial rock, while others mistook these clumps of concrete for a huge piece of modern sculpture.

Basketball Hall
Siegenburger Strasse
Architect:
Georg Flinkerbusch,
Hagen/Westphalia



Longitudinal section

- 1 Warm-up hall
- 2 Entrance hall
- 3 Auxiliary room
- 4 Passageway for street shoes
- 5 Locker section
- 6 Passageway for gym shoes
- 7 Telescoping stands
- 8 Central radio and television installation (DOZ)
- 9 Restaurant
- 10 Foyer
- 11 Hat and coat check
- 12 Scoreboard
- 13 Central ventilation installation
- 14 Direction

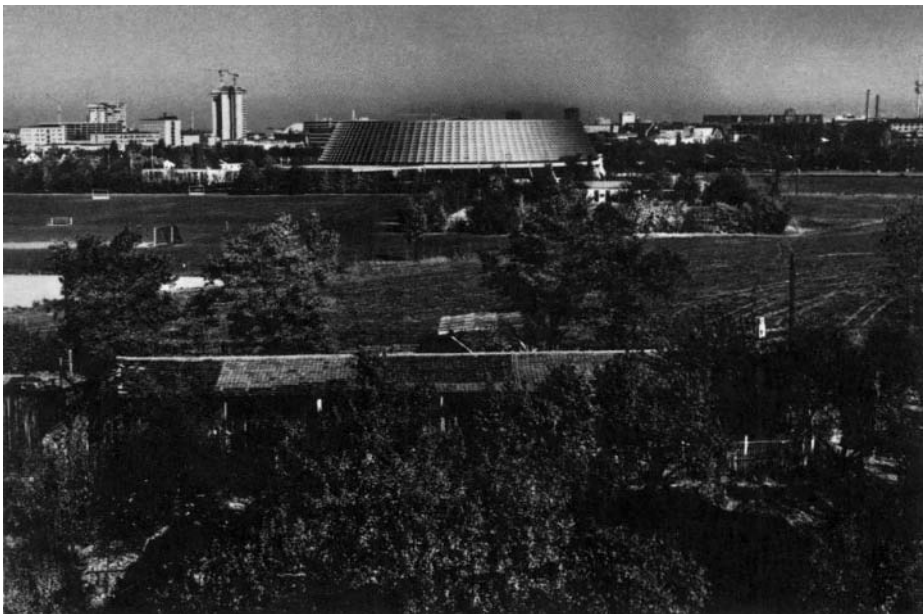
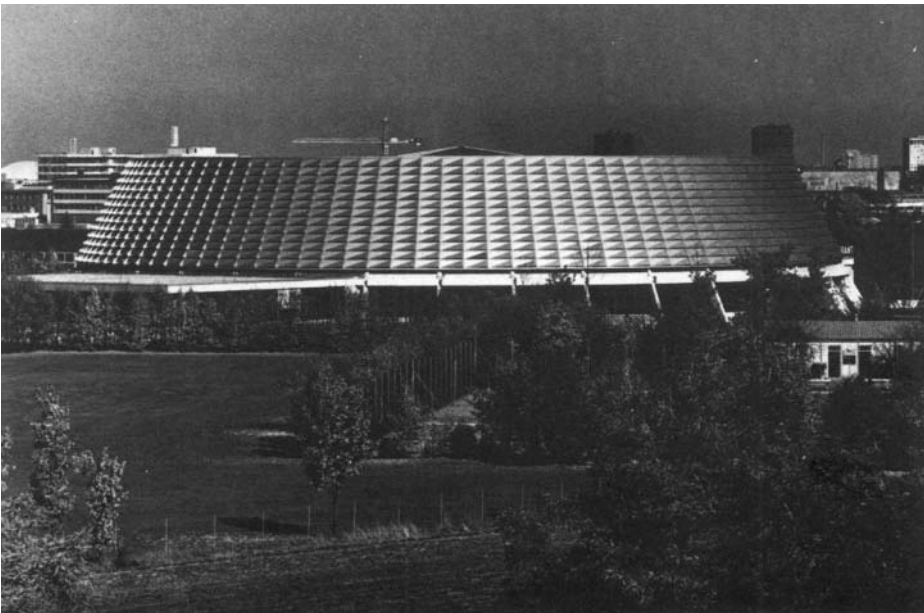
Diagram of grandstand level

- 1 Roof lookout in entrance hall
- 2 Scoreboard
- 3 Permanent stands
- 4 Direction booth
- 5 Camera stand
- 6 Press seats (on telescoping stands)
- 7 Telescoping stands
- 8 Temporary collapsible stands
- 9 Special floor preparation for the basketball court

Diagram of ground floor

- 1 Technical apparatus
- 2 Doping control
- 3 Doctor's office
- 4 Air-space warm-up hall
- 5 Massage parlor
- 6 Auxiliary room
- 7 Passageway for street shoes
- 8 Toilets
- 9 Passageway for gym shoes
- 10 Locker room
- 11 Showers and washroom
- 12 Referees' room
- 13 Shower room and toilet unit
- 14 Jury
- 15 Mimeographing room
- 16 German Basketball Federation (DBB)
- 17 Organizing Committee (OC)
- 18 International Amateur Basketball Federation (FIBA)
- 19 Conference room
- 20 Entrance for the press and organizers

- 21 Information
- 22 Interview room
- 23 Cafeteria
- 24 Sales stand and readying room
- 25 Office
- 26 Press and postal use
- 27 Postal use
- 28 Printing shop
- 29 Central television installation (DOZ)
- 30 Equipment room
- 31 Dining room for VIPs
- 32 Traffic flow supervision
- 33 Hostesses
- 34 Entrance for VIPs
- 35 Technical apparatus for Scoreboard
- 36 High and low voltage central station





Floors, surfaced with polyvinyl chloride sheets, were laid on all areas used for sport, including the warm-up hall. At the request of the International Basketball Federation (FIBA), a maple floor was also laid over the playing field area. The heating installation, the caretaker's apartment, changing-rooms, and the club rooms of the municipal sports ground are situated in an adjacent building.



Post-Olympic Use

The entire Olympic installation except for the toilets was removed from the area under the forum level. Shower rooms were installed on the long northern side and changing rooms with lockers were built along the long southern side. The film processing room was converted into a central general changing room.

Post-Olympic use of the area over the forum level (House of Studies): Both stories will be used as study quarters. A total of 21 rooms on the first story and 29 rooms on the second story each with an area of some 20 sq. m. are available. In addition there are four kitchenettes and a lounge (as during Olympic Use) measuring some 150 sq. m. Four apartments for personnel will also be furnished.

Calisthenics Hall:
Dimensions
Volume. 14,800 cu. m.
Area 2,300 cu. m.
Clearance 5.60 m.

Olympic Use
The main DOZ center, the world-wide supervision for radio and television, the post office department transmission room and the magnetic record center (MAZ) were located in this one storied hall. The calisthenics hall and all adjoining areas were divided by room-high light removable partitions into various areas for Olympic Use. Spatial programming for Olympic use: Television center, that is, center for all TV broadcasts during the Olympic Games. 240 sq. m.
Post office center, Transmission room of the post office department for sound and picture. 160 sq. m.
Director for world TV with adjoining rooms total 200 sq. m.
Center for magnetic recording . . 400 sq. m.
3 adjoining rooms, each 25 sq. m.
Archives. 26 sq. m.
Store room. 18 sq. m.

Post-Olympic Use
An area measuring 28 m. x 28 m. (784 sq. m.) will be set up as a gymnastics room with adjustable floor, mirrored walls and ELA facility. The partitions for Olympic use will be removed. The adjoining rooms will then be divided and changed into music and practice rooms.

Small sport halls:
Dimensions
Volume. 23,000 cu. m.
Area 4,200 sq. m.
Clearance 6 m.

Olympic Use
The television studios with the necessary directors' rooms and areas for the offcamera announcers were located in the one-story halls. All studio areas were divided by light-weight acoustical partitions. The adjoining rooms which were formed by these acoustical walls and ceilings had 3 m. head space. Spatial programming for Olympic use: Live broadcasts and sport reports were produced in eight TV studio areas measuring between 100 sq. m. and 200 sq. m. These studios were used by broadcasting companies of all nations. The rooms were 8 m. high and the walls and ceilings were

built of high quality acoustical materials to meet the acoustical requirements of TV studios. A weight bearing ceiling grid system supported the necessary equipment required for the special lighting. The floors were covered with PVC covering. The recording background consisted of screens and additional acoustical material. Every studio had a directors' room a magnetic recording room and a small studio. The entire area was a technical room measuring. 140 sq. m.
4 film blending studios, each . . . 60 sq. m. each consisting of a film blending room and a director's room.
61 TV commentators' booths, each 4 sq. m. (off-tubespeakers)
The announcers' cubicles were adjoining the technical and director's rooms. The entire area enclosed. 540 sq. m.

Post-Olympic Use
The entire area will be divided into six small gymnasiums each measuring 14 m. x 28 m. 392 sq. m. with an overhead clearance of 6 m. These gymnasiums will be used as work-out rooms for the following sports: Boxing, wrestling, judo, fencing, table tennis and gymnastics. Conditioning, teachers', equipment and storage rooms are adjoining.

Building of the American Broadcasting Corporation "ABC":
Dimensions
Volume. 5,000 cu. m.
Area 1,100 sq. m.
Overhead clearance. 3,00 m.

Olympic Use
Matching the rest of the installation, a temporary building with a steel framework was built for ABC in addition to the ZHS buildings. The interior rooms were created by removable light partitions reaching the ceiling (3 m. overhead), which was suspended. The windowless building was artificially lighted and ventilated. Room program: Graphics and studio. 110 sq. m.
Conference room. 36 sq. m.
12 offices, each between 35 sq. m. and 17 sq. m.
Teletype room. 10 sq. m.
Telephone room. 10 sq. m.
Film cutting room. 72 sq. m.
2 lounges, each 45 sq. m.
Kitchen. 50 sq. m.
Store room. 190 sq. m.

Characteristics of Design and Construction (Outdoor facilities)
The outdoor sport areas are clustered around the north, west and south sides of the DOZ or ZHS buildings, respectively. These facilities are located on the northern part of the Olympic grounds which was unified and built up with ten meters of hill in some places. All playing fields are arranged in a north-south direction. There are differences of elevation of up to three meters among them. The individual playing fields are separated from each other by strictly geometrically modeled embankments with a trapeze profile which run parallel to the boundary lines of the playing fields. A richly structured and distinctive open air sport facility was created by terracing and dividing earth embankments. The sculpturing of the landscape was intensified

by the plantings. Mounds of earth, slopes and strips between the fields are planted with both large and small crowned trees intermixed, in groups, on a grid or in rows. The plantings and landscape modeling provide not only a certain amount of noise control among the fields during simultaneous use, but also shade and shield the spectator area on the sloping area from the wind. Linden trees of various sorts were planted as the dominant trees on the embankments. Small crowned trees such as the ball maple (Acer glubosum) and ball acacia (Robinia inermis) line the paths. Sitting areas are marked by clusters of chestnut trees. Structure of the sports areas:
Lawns

The overall makeup of the intensively used grassy playing fields are as follows: leveling layer approximately 15 cm. thick made of gravel and sand 0/30, (8 cm. thick) drainage and filtering level made of foam lava grit-texture 0/15, the actual lawn bearing level of very lean soil and finally a sand and peat covering layer with a total thickness of 12 cm. Most lawns were built with an overall slant of 1 %. Only the four adjoining fields and the throwing contest fields did not have a slight slope. Surfaced areas

The surfaced playing areas were constructed and maintained according to the recommendations of the "Institute for Sports Site Construction" in Cologne. In general, highly water-permeable materials were avoided to the advantage of the stability of the surfacing.

Sites with plastic coverings
The synthetic covering "Rekortan", the plastic combination covering "Everplay-Elastopor" (water-permeable) and "Akus Elastik" were used over a bitumen base.

Watering and drainage facilities:
Automatic built-in sprinkler systems with hydraulic-electric control programs were used for the lawns. The surfaced areas were also equipped with sprinkler systems to moisten the covering. The synthetic and the combination plastic surfaces were drained by gutters. All grass and surfaced playing areas were equipped with drains that had a 1 % slope. The excess rain water was drained into cisterns.

Individual Functional Area Summary
Athletics-contest facility
Athletics-pentathlon and decathlon
Athletics-practice facility
Circuit-facility
4 volleyball courts
3 small playing fields
Field for throwing contests
All-weather large playing field (multi-purpose division)
4 large grass playing fields
5 handball fields
4 large playing fields (surfaced)
2 hockey fields
5 basketball courts
with a throwing practice area.

Descriptions of the Individual Facilities
Athletics contest sites:
Inclined curved track type B with 6/400 m. and seven short straight tracks, broad and triple jump area, pole vault site, two high jump sites, two discus throw sites, two shot put sites, one javelin throw site, water hazard for the steeplechase and a grassy

playing field. The tracks and segment areas have a "Rekortan" (synthetic) surface. This competition site is located on the eastern side of the unroofed standing room gallery (concrete steps) with 3,000 places as well as on the western side of a roofed gallery section with approximately 250 seats. A double-headed broad-jump and triple jump area is located between the roofed gallery and the 100 meter track.

Athletic pentathlon and decathlon facilities:
The pentathlon and decathlon area has a running area measuring 50 m. x 45 m. The surface is composed of a 13 mm. "Rekortan" covering on a bitumen base. The following sites for various sports are available: five pole vaulting sites, ten long jump sites, six high jump sites, one shot put site with five putting circles and an impact area measuring 20 m. x 45 m.

Athletics-practice facility Type C:
Facilities for various sports are available: high jump, two sites; discus throw, two sites; long jump, three approaches, one sand pit; pole vaulting, one site; shot put, 1 site with five starting circles; javelin throw, one track; one grassed field. The athletic areas are surfaced.

Circuit-facility:
The circuit-facility has an area of 1,250 sq. m. The following equipment is provided: one ball throwing wall 3 m. high; two parallel bars; three wall bars; three horizontal bars at various heights; three dumb bell stands; one climbing framework with ropes; one climbing tower with poles; one slalom pole field; one sand running area 20 m. x 5 m.

Volleyball courts:
Are each 13 m. x 24 m. The courts are divided by 3-m. wide criss-crossing paths. The courts are surfaced with "Everplay-Elastapor" (water permeable) coating. A slight incline of 0.6% and drainage gutters were installed insuring a good playing surface.

Smaller playing fields:
Northwest of the volleyball courts are three small playing fields for small field handball, that are also surfaced with "Everplay-Elastapor" coatings. Each measures 22 m. x 44 m.

Fields for throwing events:
The throwing field has a grassy area of 13,000 sq. m. and has the following facilities: one javelin throwing track 36.50 m. x 4 m.; a javelin throw site 40 m. x 30 m. for group training. Both sites are surfaced. There are also two hammer throw sites and four discus throw sites. Along the outer periphery of the throwing field there is a sweat-drop track 1.50 m. wide, 600 m. long with five clusters of equipment.

All-weather playing field:
The playing field measures 109 m. x 70 m. and is covered with a synthetic combination "Akus-Elastik" surface. There is a slight incline of 1 % and the surface is water permeable. Field markings are provided for the following sports: soccer, field handball, volleyball, and basketball.

Large grassy playing fields:
The grassed playing areas measure 70 m. x 109 m. and have no incline. Portable goals are provided for field games. Faustballfields:
There are three faustball fields measuring 66 m. x 32 m.

Large playing fields with surfacing:
There are four large surfaced playing fields measuring 109 m. x 70 m. located between the handball fields or relatively north of them.

Hockey fields:
There are two hockey fields measuring 99.40 m. x 59 m. each. The lawn was built up as described above.

Basketball courts:
There are five basketball courts each measuring 15 m. x 28 m. and a basketball throwing circle with a diameter of 36 m. The surface is covered with "Akus-Elastik".

Fields houses:
There are three shelters with toilets and an equipment storage room within the ZHS southern open-air sports facility.

Total Cost excluding Incidentals
21.6 million DM.

Olympic Use
The facilities were used exclusively for training purposes and were available for the following sports: football, track and field and hockey.

Post-Olympic Use
The entire installation will be permanently used as the Central University Sports Facility of the Munich Technical University. The facilities that were constructed exclusively for the Olympic Games will be removed. Purposes corresponding to current needs will be found for these free areas. Realization of the planned tennis facility (26 courts) will be temporarily postponed. It would be located in the southeastern area on the site of the temporary restaurant "North".

Volleyball Hall, Olympic Park

Type of Sport:
Volleyball

Location:
8000 Munich 40
Connolly Strasse

Team director for the Olympic Construction Company, Ltd.:
Architect HBK Klaus-Jürgen Kluge, Munich

Project director for the Olympic Construction Company, Ltd.:
Construction-engineer Wilhelm Pankow, Munich

Design and Planning:
Prof. Erwin Heinle and Dipl.-Ing. Robert Wischer and Associates, free architects, Stuttgart/Munich

Statics and Building Construction:
Dip).-Ing. K. Boll as associate of the Partnership Leonhardt and Andrä, Stuttgart

Heating, Ventilation, Plumbing:
Engineering Office Brandi, Frechen near Cologne

Electrical and Electronics:
BMS Engineering Company, Munich

Landscaping:
Garden and Landscaping Architects Miller and Luz, Stuttgart

Direction of Construction:
Engineers' Pool for Olympic Construction, Munich
Engineering Office Rüping, Düsseldorf
Engineering Office Dr. Walter, Essen

Characteristics of Design and Construction
In regard to its spatial relations, its construction and design, the volleyball hall is an integral component of the building complex of the Central University Sports Facility (ZHS) which accommodated the "German Olympic Center" for radio and television (DOZ) during the Olympic Games. The hall lies to the west of the forum and is constructed, like the other parts of the complex, in a visible Cor-Ten steel skeleton construction. The wall components are built of suspended sandwich panels (multi-layer sheets). The roof construction consists of Cor-Ten steel concave box rafters which, with an inclination of 60°, were assembled into symmetrical "sheds". The entry hall of the competition facility was situated at the east of the complex, on the level of the forum. Visitors entered from the forum. For Olympic usage the level of the play area was temporarily lowered below that of the driveway, so that the hall obtained a total open height of 12.50 m. (from the upper surface of the floor covering to the lower edge of the rafters). Auxiliary rooms are under the grandstands, on the level of the driveway. The athletes' locker room area is situated under the entrance hall. After the Olympics, the height of the hall will be reduced to 9.00 m.; the hall will be separated into two gymnasiums of 28 m. x 56 m. each by an immovable dividing wall.

Dimensions of the Facility
Interior space of the volleyball-hall 58,700 cu. m.
Area under roof (plane 507.50 sq. m. driveway level 79.20m. x 64.80m.) 5,132 sq. m.
Clearance height of hall 12.50 m.
Inner area, 20m. x 34m. 680 sq. m.
Playing surface (for competition) 9 m. x 18m. 162 sq. m.
Contest preparation:
Total area under roof of warm-up hall 21.60 m. x 36.00m. 778 sq. m.
Interior space of the entire hall 6,200 cu. m.
Interior dimensions of the contest preparation area of the warm-up hall (two-fifths of the hall's floor space were used for the additional cooling installations) 21.00 m. x 21.50 m. (2 playing areas) 451 sq. m.
Playing areas, each 9 m. x 18m. 162 sq. m.
Clearance of hall 7 m.

Access
See access "German Olympic Center (DOZ)".

Total Cost excluding Incidentals
See Construction Data DOZ/ZHS.

Utilities
Heating (warm air heating):
Total circulated volume of air. 173,000 cu. m./h, of which 70,000 cu. m./h were circulated by a temporary installation.
Cooling:
The hall was cooled by a temporary cooling machine with a capacity of 2 Ccal/h.
Ventilation:
Air-intake is via the concave rafters in the roof; the air is blown straight down into the hall. The exhaust flows mostly through the permanent grandstands and partly (40,000 cu. m./h) through the temporary grandstands.
High voltage installations:
Electric current was supplied via the ZHS installation.
Lighting: The lighting bars for the 56 floodlight lamps (each 2 KW) were installed along the "shed-roof" rafters.
Low voltage installations:
The following equipment was installed: PA system, clock system, fire alarm system, data processing and transmission system, 15 extensions of the stadium telephone system, intercom system.

Technical Installations for Sports
Electronic Scoreboard:
For information concerning the current contest two electronic scoreboards, executed in light chamber technique, were installed on the eastern and western walls of the hall, along the axis of the hall between the gallery and the lowest edge of the ceiling. The boards were 2.30 m. x 1.10 m. The following data were displayed: the nationality of two teams in the current game, indication of the serve, time outs, score within the game, results of the individual games in the set.
Manual display board:
Two magnetic display boards, each 3 m. x 2 m. were installed on the front walls of both warm-up cubicles. The following data were given: starting number and names

of the players of the two participating teams of the current contest, as well as the names of the coaches.
Intercom:
There were intercom stations for the referees, the competition director, the locker rooms, the control room, the practice hall, the jury, the records desk and the warm-up cubicles. An acoustical signal was installed to indicate the time outs.

Contest Area
The contest area was situated in the temporarily deepened part of the hall between the two temporary grandstands, and 3.50 m. below the grandstand access level.
Inner area 20 m. x 34 m.
Playing area 9 m. x 18 m.
The entire inner area had an elastic playing floor with a polyvinyl-chloride covering. The competition playing surface inside the marking lines (9 m. x 18 m.) was set off by its dark green color from the rest of the light colored floor surface.
Two practice cubicles with an area of 3.50 sq. m. each and a height of 5 m. were erected on the middle axis of the hall, 8 m. from the two front sides of the playing area.
Outside of the playing area, on the extension of the center line, the elevated seat of the referee was set up; additional seats for four line judges, the second referee, the record keeper (with desk) as well as six places for reserve players per team were available on the northern side.
Contest preparation:
Within the practice hall, a competition warm-up area of 21.50 m. x 21.00 m. was created with a playing floor and covering of polyvinyl chloride. This floor was divided into two playing areas of 9 m. x 18 m. marked in accordance with the competition playing area.

Olympic Usage
August 27 - September 9, 1972

Athletes' Area
Inner area (contest area of the volleyball hall). 680 sq. m.
Competition warm-up (practice hall). 451 sq. m.
5 athletes' locker room complexes, each. 66 sq. m.
Each complex contained a locker room of 26 sq. m., a washroom, a shower room with 5 showers, and a toilet.
1 suite for doctor and doping control. 80 sq. m.
The doctor's area consisted of a doctor's examining room, a room for doping control, a toilet and a waiting room.
228 spectator seats for athletes.

Access:
The entrance for the athletes was situated on the level of the forum. The main entrance was on the eastern side of the hall. From there the participants reached the area of the locker rooms and showers, and the contest area. The locker rooms were on the eastern side of the hall and were separated by an access corridor from the auditorium area. The participants could get to the practice hall and to the contest area via the access corridor. The rooms for medical care and doping control were situated between locker rooms number 3 and 4 on the common access corridor.

Fencing Hall No. 2
(Hall No. 20)

Types of Sport:
Fencing, Modern Pentathlon
(Fencing)

The semi-finals took place on the ground floor and the other floors were used for training.

Characteristics of Design and Construction
Hall No. 20 which existed before Olympic planning began, was temporarily remodelled to function as a fencing competition and training hall. The ground floor contest area for the semi-finals received a suspended fabric ceiling. A stand for spectators was built in the center opposite the two fencing strips and the judges' podium. Stands for the participating fencers were set up along both ends of the hall and behind them were the booths of the various participating nations. A special lighting rig was installed over the two main fencing strips for color television.

Dimensions of the Installation
Built-over area of the hall. . . . 6,350 sq. m.
(Useful space on the three main floors including the mezzanines).
Competition area 600 sq. m.
Two competition fencing strips, 18 m. x 2 m., each 36 sq. m.

Access
See wrestling-judo-hall, fairgrounds.

Utilities
Ventilation:
The temperature of the hall was controlled by the ventilation system which utilized existing air intake and exhaust ducts. An additional water-cooled ventilation system was installed for the ground floor's inner area because of additional lighting and the large number of spectators. With an outdoor temperature of +30.5°C the maximum indoor temperature could be held to 26°C. The capacity of the existing ventilation system in Hall No. 20 was 100,000 cu. m. per hour. The additional system had a capacity of 70,000 cubic meters per hour. The cooling effect was approximately 2°C. The lavatories had axial ventilators.
High voltage electrical installations:
The current for Hall No. 20 was obtained through two transformers. 800 kVA.
The emergency power would be supplied by a mobile electrical generator. 75 kVA.
On the main floor an additional junction box was installed to cover the increased power consumption in the competition area. The general lighting facilities of the entire building were either replaced or augmented.
The mean horizontal lighting intensity in the competition area was 600 lux.
The intensity of the special lighting for color television for the two fencing strips with twelve 2,000 watt spotlights each had a mean value of 3,000 lux horizontally and 1,400 lux vertically.
Low voltage electrical installations:
The existing public address system was used and the three subcenters were linked together.
The system consisted of the following components: Two-way inter-communications system with a total of 29 extensions, fire alarm system, 11 synchronized clocks,

community antenna system with 26 connection outlets. The existing telephone system was extended.

Technical Equipment for Sports
Scoreboard:
Every strip had a manually operated scoreboard 2 m. x 1.5 m. The names of the fencers, their nationalities as well as the results of the bouts were displayed.
Touching signal system:
The touching system consisted of a set of spectator lights, each with a red, green and white bulb. Besides these, a combination signal for foil and épée plus a basic cable control were installed.
Fencing strips:
The metal strips were 18 m. x 2 m. of phosphor-bronze and simply drilled.
Timing:
An electronic time and light display of minutes and seconds was installed to measure the length of a bout. A horn was provided for the acoustical pre-signal one minute before time ran out. A synchronized clock for the audience was installed out of sight range from the strips. The signals were fed into the system manually.

Contest Area
The general contest area for the preliminaries had an area of 3,800 sq. m. and consisted of 14 strips each 2 m. x 18 m., which were paired off into units. A table and four chairs were provided for the messengers and writers, and there was also one place per strip for a judge. The podium for the technical direction of the hall had an area of 72 sq. m.
Contest Preparation:
On the upper and lower floors of the hall, there were 21 strips in a training area consisting of a total of 5,200 sq. m. in addition to 16 prefabricated sanitary units each 9 sq. m.

Olympic Use
August 29 - September 9, 1972.

Athletes' Area
Contest area on the ground floor. 3,800 sq. m.
Training area on the lower and upper floors of the hall. . . . 5,200 sq. m.
16 hygiene facilities with toilets, sinks and showers.
Locker rooms and toilets on all main floors and mezzanines.
(Six mezzanines were located on both sides of the three-storied fencing hall No. 2.)
36 Women's rooms, each 23 sq. m.
36 Men's rooms, each 23 sq. m.
8 lounges for contestants, each 23 sq. m.
1 TV room 35 sq. m.
Weapons (distribution). 23 sq. m.
Repair shop. 35 sq. m.
Weapon control 35 sq. m.
Weapons (collection). 23 sq. m.
Fencing booths for disarming, each. 5 sq. m.
Spectator seats for contestants . . . 320
Doctors' Area:
Physician's room and first aid .. . 9 sq. m.
Hygiene room. 23 sq. m.
Access:
Participants coming from the bus stop and the entrance on the western side of the hall and from there proceeded to the various rooms, changing, picking up their equipment; then to their assigned strips.

Spectators' Area
Available seats total. 978
VIP seats. 36
Commentators' seats. 20
Press seats. 86
Spectators' seats. 856
(320 seats for contestants included)
Guest service:
VIP area with cafeteria. 35 sq. m.
Spectator services:
A snack bar was set up behind the spectator stands.
Sanitary facilities:
All necessary sanitary facilities were reachable from the spectators' exits.
First aid:
First aid installations were located centrally in the fairgrounds.
For the Fencing Hall see Physicians' Area - "Contestants' Area" above.
Spectator access:
The entrance to Fencing Hall No. 2 was on the eastern side of the hall, and from there a passage led to the grandstand.

Communications Area
Commentator seats (with tables). 10
Press seats (without tables) 86
Interview room. 23 sq. m.
Office. 23 sq. m.
Film storeroom. 23 sq. m.
Transmission equipment:
DOZ-motion picture cameras 4
Post office. 11 sq. m.
Parking lots for two technical equipment trucks. 60 sq. m.

Competition and General Administration
Contest site administration,
2 rooms each. 23 sq. m.
Hall manager. 23 sq. m.
The rooms for the national and international fencing federations were located in the eastern and western mezzanines.
Fédération Internationale d'Escrime (FIE)
FIE president. 20 sq. m.
FIE general secretary. 20 sq. m.
FIE conference room. 20 sq. m.
FIE cafeteria 23 sq. m.
Deutscher Fechter Bund (DFB)
DFB president. 20 sq. m.
Outer office. 10 sq. m.
DFB trainers, 2 rooms, each.... 23 sq. m.
DFB lounges. 23 sq. m.
DFB TV room. 23 sq. m.
DFB technical rooms, four, each. 23 sq. m.
Mimeograph room. 23 sq. m.
DFB cafeteria. 23 sq. m.
4 judges rooms with a total of... 115 sq. m.
Television. 23 sq. m.
Discussion room. 35 sq. m.
2 lounges. 35 sq. m.
Evaluation, 3 rooms, each 20 sq. m.
Technical management,
three rooms, each. 23 sq. m.
Personnel, three rooms, each ... 23 sq. m.
Technical division OC,
2 rooms, each 20 sq. m.
Special post office, 2 rooms, each 30 sq. m.
Cafeteria
personnel, two rooms, each.... 35 sq. m.
Toilet facilities on every floor

Restaurant
See "Fairgrounds, general notes" under "Restaurant".

Basketball Hall
on Siegenburger Strasse

Types of Sport:
Basketball, Judo

Location:
8000 Munich
Siegenburger Strasse

Team director for the Olympic Construction Company, Ltd.:
Dipl.-Ing. Herbert Weidenschlager, Munich

Project director for the Olympic Construction Company, Ltd.:
Graduate Engineer Wolfgang Göhde, Munich

Design and planning:
Architect Dipl.-Ing. Georg Flinkerbusch, Hagen i.W.

Characteristics of Design and Construction
This round hall is built of prefabricated reinforced concrete with a steel cone and shell-shaped suspended roof. The building has a diameter of 100 m. at the foundation level and 72 m. at the height of the stress ring. The grandstand forms a ring around the quadrangular contest area. The necessary ancillary rooms are under the grandstands, between the contest or warm-up level and the upper passage level of the stand. Two rectangular buildings are attached at opposite sides of the main circular hall. These are the lobby with two usable levels and a one-story restaurant. The construction of the hall itself is formed by 36 binders each consisting of a slanted outer truss and the girders bearing the stands. The binders are secured between each other by steel and concrete through a beam with a U cross section. The stress ring on which the steel cone roof is suspended rests on the outer trusses. The stress bearing structural components are made of prefabricated reinforced concrete. The partitions are formed by chalk sandstone faced brick walls. The facade is formed by beveled baked enamel sheet aluminum panels mounted on a steel framework. Suspended sheet metal paneled ceilings with built-in acoustic padding close off the rooms. The floor of the hall's inner area is a mechanically ventilated elastic floor with a PVC covering. The basketball court floor, which can be dismantled and is 6 cm. thick, is made of hard maple and is laid on the elastic hall floor. The individual fold-up seats are fastened to the prefabricated reinforced concrete steps with assisting tracks. The hall was built by a general contractor completely ready for occupation.

Dimensions of the Facility
Enclosed volume. 104,500 cu. m.
Built-over area 7,850 sq. m.
Interior area of the hall without the telescoping stands. 2,516 sq. m.
Free area 32 m. x 40 m.... 1,280 sq. m.
Basketball floor 19m. x 32m. 645 sq. m.
Basketball court 14 m. x 26 m. 364 sq. m.
Overhead clearance. 12 m.

Access
By car:
Connection from Olympic Village via Mittlerer Ring, Garmischer Strasse and Siegenburger Strasse to the basketball hall.

Public transit:
Inner city bus lines, bus stop on Garmischer Strasse.

Parking (permanent):
Twenty places for cars belonging to VIPs and officials are available in front of the athletes' entrance. There are also thirty places for the press, communications personnel and officials in the western yard. During the Olympics 1,000 parking places were available to spectators on the grass west of Garmischer Strasse about 250 m. away from the hall and another 500 places south of the hall on Welser Strasse, about 500 m. away from the hall.

Total Cost excluding Incidentals
19 million DM.

Utilities

Heating, ventilation:
Three gas-fired furnaces 3 x 1,400,000 kcal/h. for the warm air heating (operational heat 110/70°C). Standard and flat radiators were used in all other areas. The air regulating equipment was installed in the bottom panel at the middle point of the roof. Intake air is blown into the main hall through ring-shaped vents in the slanted ceiling.
50 % fresh air, 50 % circulated air.
Total capacity 280,000 cu. m/h.
The hall is quickly heated by four large ventilation vents above the playing area. There are additional decentralized ventilators in the main entrance totaling 45,000 cu.m/h.
The warm air heating has fresh air intake and exhaust ducts in the main hall and in the warm-up hall.

Ventilation:
Lobby, corridors, wash and changing-rooms, massage and referee rooms, toilets, direction room, interview room, cafeteria, restaurant and kitchen have fresh air and exhaust vents.
The capacity of the cooling machinery which provided the cooling column with chilled water was 1.1 million kcal/h.

High tension installation:
1,400 kVA installed transformer capacity. Emergency generator 68 kVA. Contest vertical illumination 1,875 lux (new value) for sports area (2,000 lux new value special lighting for the boxing ring) produced by halogen metal vapor lamps, each 2,000 watts, part of which are immediately relightable. The illumination of the other interior areas was according to DIN 5035.

Low voltage equipment:
Telephone exchange with 64 extensions, Central clock system, Intercom system with 18 instruments, Wireless microphone system (microport), PA system, Terminals of the electronic data processing installation, Data read-out station in the press-sub-center, telex in the press subcenter, Hall administration, Printshop.

Technical Sports Facilities

Scoreboards and timing devices:
Two permanently mounted scoreboards in light chamber technique.
Measurements: length 5.60 m., height 3.00 m. Integrated double parallel running installation with the following information: the countries, the score, the time past in minutes and seconds, the score time for each team, the personal fouls of each player, the last three minutes of play

(red light bulbs), light signals on the baskets for the 30-second rule. There is also an acoustical signal at the beginning and the end of the playing periods. Time out could be called from the players' bench with a button (light signal on the judges' table).
The timing was backed up with manually operated stop watches.
The Scoreboard was operated from the writing table on the court (or contest area).

Contest Area

Basketball floor 19 m. x 32 m. . 645 sq. m.
Basketball court 14 m. x 26 m. . 364 sq. m.
Hard maple court on the elastic hall floor 6 cm. high (suggestion of the International Basketball Federation).
Mobile basketball net stands
Hydraulic control of the basket
Basket arm extends 4.00 m.
Measurements of the base 4.10 m. x 2.10 m. x 1.00 m.
The baskets are made of steel pipe, the back board is safety glass.
Two tables for game evaluators opposite the press stand.
One scoring table with the scoreboard controls.
One table for the FIBA.
Two benches for substitute players.

Olympic Use

August 27 to September 9, 1972.

Post-olympic Use

Sport clubs, school sports
Contests of various types of sports Hall inner area 32 m. x 40 m. 1,280 m.

Athletes' Area

Inner area:
Two benches for substitute players
Intermediate level:
Six locker rooms, each. 31 sq. m.
Two massage rooms, each. 15 sq. m.
Three shower and wash rooms, each. 57 sq. m.
and corresponding sanitary facilities.
Lower level:
Warm-up hall. 408 sq. m.
Training area. 107 sq. m.
Doctors' room. 20 sq. m.
Doping control. 13 sq. m.
Ancillary room. 13 sq. m.
Access:
Entrance at the eastern side of the lobby, from there to the locker room in the intermediate level of the south side hall area with showers and toilets.
Warm-up facilities are under the lobby.
The lower level is reached by a ramp to the playing area through a separate players' entrance foyer.

Spectators' Area

Total spectators' seats. 6,635
Participants' seats. 200
VIP seats. 200
Press tables. 50
Press seats. 190
Commentators' tables. 54
VIP dining facility:
Cafeteria with 60 places. 120 sq. m.
Spectators' dining facilities:
Main restaurant 180 sq. m.
Two kiosks, each. 36 sq. m.
Sanitation:
Four toilet facilities, each. 74 sq. m.
First aid:
First aid room with an ancillary room and a quiet area, total... 43 sq. m.

Spectators' access:
Southern entrance hall (lobby).
Four ticket offices at the corridor and access level. Raised entry way to the spectator seats. Ticket takers are at the entry ways.

Communications Area

Press subcenter on the intermediate level:
Information area 28 sq. m.
Interview room. 54 sq. m.
Writing room. 105 sq. m.
Press post office. 105 sq. m.
Cafeteria. 105 sq. m.
and corresponding sanitary facilities.
Transmission equipment:
Four DOZ TV cameras (camera platforms)
One ABC TV camera
Two DOZ motion picture cameras
Permanent parking area for the following vehicles:
One DOZ transmission truck
One ABC transmission truck
Four additional technical equipment trucks

Contest and General Organization

Playing floor, inner area:
Table for FIBA
Two tables for the game evaluators
One scoring table
One announcer's table
Spectators' area:
Direction booth. 23 sq. m.
Intermediate level:
Fédération Internationale de Basketball Amateur (FIBA)
Three FIBA offices,
two, each. 20 sq. m.
one. 16 sq. m.
Deutscher Basketballbund (DBB) - German Basketball Federation—
Three DBB offices. 21 sq. m.
16 sq. m.
32 sq. m.
Two referee rooms, each. 15 sq. m.
Two medical rooms, each. 10 sq. m.
Two OC offices. 20 sq. m.
Copying room. 17 sq. m.
Conference room. 33 sq. m.
Post office (technical). 39 sq. m.
OC (technical). 22 sq. m.
DOZ (technical). 28 sq. m.
84 sq. m.
OC. 33 sq. m.
Printshop. 50 sq. m.
Ancillary rooms. 30 sq. m.
40 sq. m.
Equipment rooms. 505 sq. m.
Cleaning equipment. 40 sq. m.
Personnel rooms. 17 sq. m.
Hostesses' room. 41 sq. m.
Stand-by drivers. 11 sq. m.
Corresponding sanitary facilities
Technical 20 sq. m.
Scoreboard apparatus. 22 sq. m.
Maintenance personnel. 33 sq. m.
(Utilities, etc. 350 sq. m.
Ground floor:
Fire department 20 sq. m.
Police. 31 sq. m.
Ticket office, accounting 15 sq. m.
Two ticket offices, each. 5 sq. m.
Special post office, two rooms, each. 45 sq. m.
Annex buildings:
Administrator's house. 70 sq. m.
Heating and cooling unit for the entire contest site in the lower floor of the administrator's house. 110 sq. m.

Restaurants

Main restaurant (150 places) for spectators and for the officials in the northern restaurant annex. Serving areas including adjoining rooms. 180 sq. m.
A connected serving counter for spectators is located on the entrance level.
Cafeteria for the press, radio and television personnel (56 persons) in the north-western part of the lower level, next to the press area. 100 sq. m.
VIP cafeteria (60 persons) in the north-eastern part of the intermediate level at the entrance for guests of honor. . 120 sq. m.
Two kiosks for spectators at the entrance level of the north-eastern and south-western corridor, each. 36 sq. m.

**Selected Literature on the Buildings
Erected for the 1972 Olympic Games
in Munich**

Period of Survey: 1965-1972
No. 725.826/.89 (430.1 M) Buildings
erected for the Olympic Games (Munich)

Documentation center for building techno-
logy of the Fraunhofer Society,
7000 Stuttgart W. Silberburgstr. 119A

Contents:

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3. Application of modern	
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lations.	8 titles
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13. Basketball hall.	2 titles
14. Volleyball hall.	1 title
15. Hockey field.	2 titles
16. Ski sport facilities.	1 title
17. Rowing and canoe regatta	
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18. Sailing center at Kiel-	
Schilksee.	13 titles
19. Total installation, utiliza-	
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The greater part of the structures and
installations listed separately under 7
to 18 are also covered by general reviews
under items 1 and 2.

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Notes on the digitized version of the Official Report of the Organizing Committee for the Games of the XXth Olympiad Munich 1972 (Volume 2)

The digital version of the Official Report of the Games of the XXth Olympiad was created with the intention of producing the closest possible replica of the original printed document. These technical notes describe the differences between the digital and printed documents and the technical details of the digital document.

The original document

The original paper version of the 1972 Official Report (Volume 2) has dimensions of 10.9 x 11.9" (27.5cm x 30cm).

The volume's spine is of green cloth. The number "2" appears in white on the spine.

The book has 217 pages.

The fonts used in the digital version book for text, photograph captions and chapter headings are Helvetica and such system fonts as best approximate the original fonts.

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- The spine is not included in the digital version.
- Blank pages have been retained in the digital version to maintain correct pagination.
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Profile of the digital version:

File name: 1972s2.pdf

File size: 37,192 KB

Format: Portable Document Format (PDF) 1.3 (Adobe Acrobat 4.0)

Source document: The Official Report of the Organizing Committee for the Games of the XXth Olympiad Munich 1972, Volume 2: The constructions

Published by proSport GmbH & Co. KG. München Ed. Herbert Kunze

Creation Platform: Windows XP

Creation Date: August 2003

Conversion Software: Adobe Acrobat, FineReader, VistaScan, FahrenEX

Image Resolution: 150 dpi for color and grayscale images

Digital Fonts: Helvetica, Times New Roman

Conversion Service: Fahrenheit 452, Thane (W), MH, INDIA

www.fahrenheit452.com

Die Spiele

Band 3
Die Wettkämpfe

Volume 3
Les compétitions

Volume 3
The competitions

Die Spiele

Der offizielle
Bericht
herausgegeben
vom Organisations-
komitee
für die Spiele
der XX. Olympiade
München
1972

verlegt bei
proSport München

Le rapport officiel
du Comité
Organisateur
des Jeux
de la XXe Olympiade
Munich
1972

The official report
of the Organizing
Committee
for the Games
of the XXth Olympiad
Munich
1972

Band 3
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Les compétitions

Volume 3
The competitions

La flamme olympique brûle au milieu du public, sur la tribune opposée du Stade olympique, entourée des drapeaux du monde entier. Elle semble presque planer au-dessus d'une multitude de têtes. De l'autre côté, les voûtes du toit en forme de tente servent d'abri aux jeux gais des sportifs et des spectateurs de toutes les races. Lors de l'ouverture, toutes les mains sont en mouvement. Enthousiastes, les athlètes répondent en faisant des signes de la main au public qui les applaudit. Le dernier coureur olympique chargé de porter la flamme, Günther Zahn de Passau, est accompagné d'une escorte de coureurs en provenance de quatre continents différents: Kipchoge Keino, Afrique et Kenji Kimihara, Asie, courent en tête, Jim Ryun, Amérique et Derek Clayton. Australie ferment le cortège. Le vainqueur olympique allemand de l'épreuve d'aviron en huit, hisse solennellement le drapeau olympique. A cet instant, le président du CIO, Avery Brundage et le président du Comité organisa-

Framed by the flags of the world, the Olympic torch is alight, burning amongst the public on the one side of the Olympic Stadium. It almost seems to be freely suspended above the many heads. On the other side the tent roof curves over the stadium forming a backdrop to the colourful display of athletes and spectators of all races. Every single hand is in motion during the opening ceremony. Athletes enthusiastically wave to the acclaiming public. The final Olympic torchbearer, Günther Zahn from Passau, is accompanied by an escort of runners from four continents: Kipchoge Keino from Africa and Kenji Kimihara from Asia take the lead, Jim Ryun from America and Derek Clayton from Australia bring up the rear. The German Olympic winner team in eight-oars rowing solemnly hoists the Olympic flag. At this very moment IOC President Avery Brundage and the President of the Munich Organizing Committee, Willi Daume, address not only the young athletes of the world, but the whole

Die olympische Flamme brennt, inmitten des Publikums, auf der Gegentribüne des Olympiastadions, umrahmt von den Flaggen der Welt. Fast scheint sie frei zu schweben über den vielen Häuptionern. Auf der anderen Seite wölbt sich das Zeltdach und nimmt das farbenfrohe Spiel der Sportler und Zuschauer aller Rassen auf. Alle Hände sind bei der Eröffnung in Bewegung. Begeistert winken die Athleten ihrem Beifall spendenden Publikum zu. Der letzte olympische Fackelläufer - Günther Zahn aus Passau - wird begleitet von einer Läufereskorte aus vier Kontinenten: Afrikas Kipchoge Keino und Asiens Kenji Kimahara laufen vorne. Amerikas Jim Ryun und Australiens Derek Clayton bilden den Abschluß. Der deutsche Ruder-Olympiasieger im Achter hißt feierlich die olympische Flagge. IOC-Präsident Avery Brundage und der Präsident des Münchner Organisationskomitees Willi Daume, sprechen in diesem Augenblick nicht nur zur sportlichen Ju-



teur de Munich, Willi Daume ne s'adressent pas seulement à la jeunesse sportive du monde, mais aux spectateurs du monde entier qui suivent le spectacle sur le petit écran. Les Jeux olympiques commencent à Munich dans une atmosphère légère et détendue. Les masses compactes, en bas dans le stade et, en haut, sur la tribune, sont constamment brassées au cours de présentations folkloriques. En ces heures, on n'a pas oublié Mexico, prédécesseur de Munich en tant qu'organisateur des Jeux olympiques. Grâce à leurs jeux bouillants, les Mariachis, chanteurs et danseuses, gagnent tout de suite le cœur du public du stade olympique en présentant le spectacle de plus grande envergure qui soit, en dehors de leur pays. En ce 26 août, un temps magnifique contribue au succès convaincant de la représentation de l'idée olympique.

world, which is watching the opening ceremony on television. The Munich Olympic Games begin in a spirit of elation and buoyancy. The compact crowds down on the field and up on the stands are charmed time and again by folkloric performances. Munich's Olympic predecessor Mexico was not forgotten during these hours. With their ardent presentation the Mexican Mariachis, singers and dancers, immediately win the Munich Olympic Stadium in their largest mass performance ever outside of their own country. On this 26th August, brilliant weather contributes to the creation of a convincing portrayal of the Olympic idea.

gend der Welt, sondern zur ganzen Welt, die dem Schauspiel der olympischen Eröffnung am Bildschirm folgt. Leicht und beschwingt beginnt Olympia in München. Die kompakten Massen unten im Stadion und oben auf der Tribüne werden immer wieder aufgelockert durch folkloristische Darbietungen. Mexiko, Münchens Vorgänger, ist in diesen Stunden nicht vergessen. Mit feurigem Spiel gewinnen Mariachis, Sänger und Tänzerinnen bei der größten Massendarbietung ihres Landes außerhalb Mexikos sofort das Münchner Olympiastadion. Herrliches Wetter an diesem 26. August trägt zur überzeugenden Selbstdarstellung des olympischen Gedankens bei.

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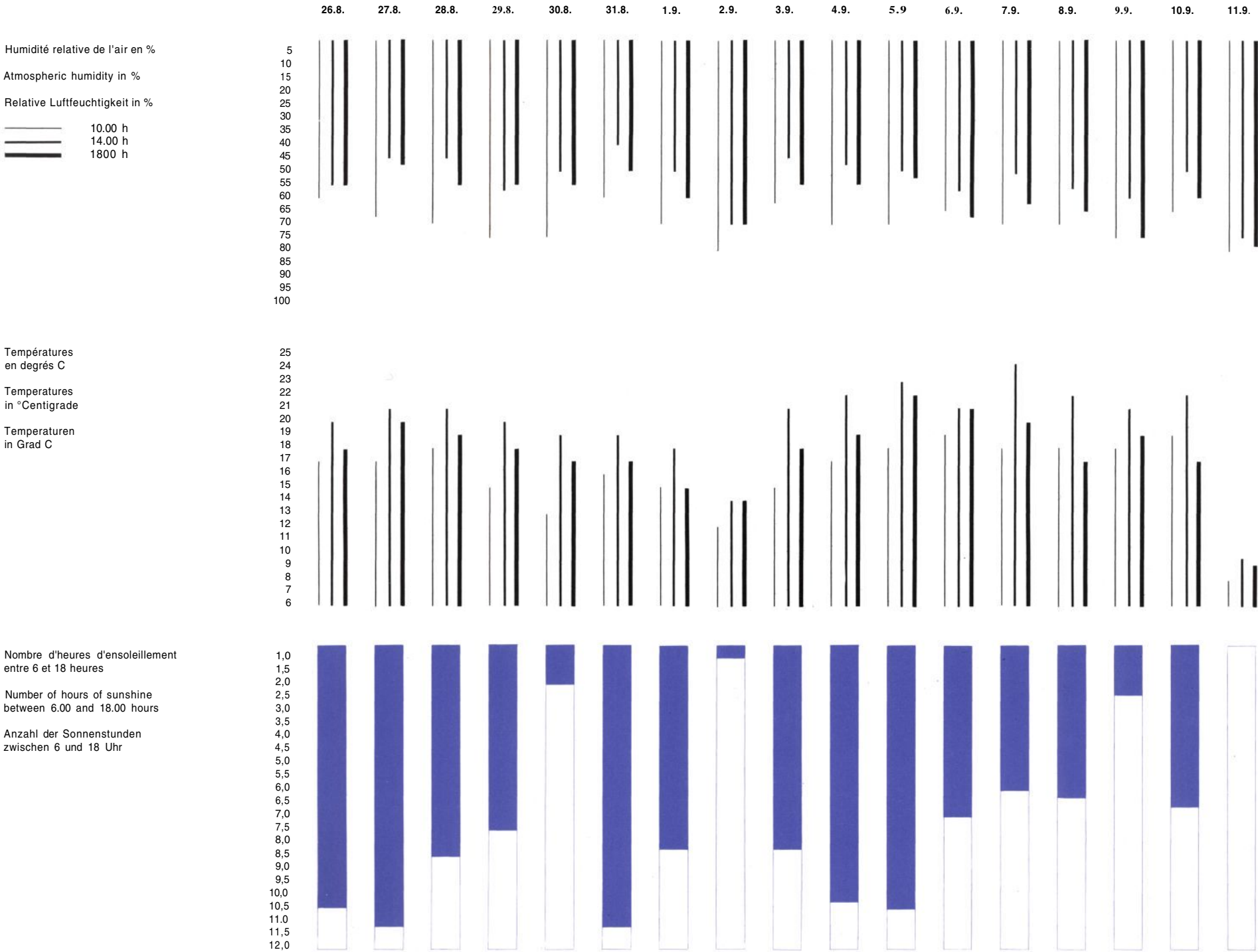
[illegible]

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Relevé climatologique pour Munich
pendant les Jeux
de la XX^e Olympiade

Climatological data for Munich
during the Games
of the XXth Olympiad

Klimatologische Werte für München
während der Spiele
der XX. Olympiade



1)
Précipitations en mm (litre/m²)
mesurées le 10. 9. 21 h: 11,5
Début des précipitations: 18.30

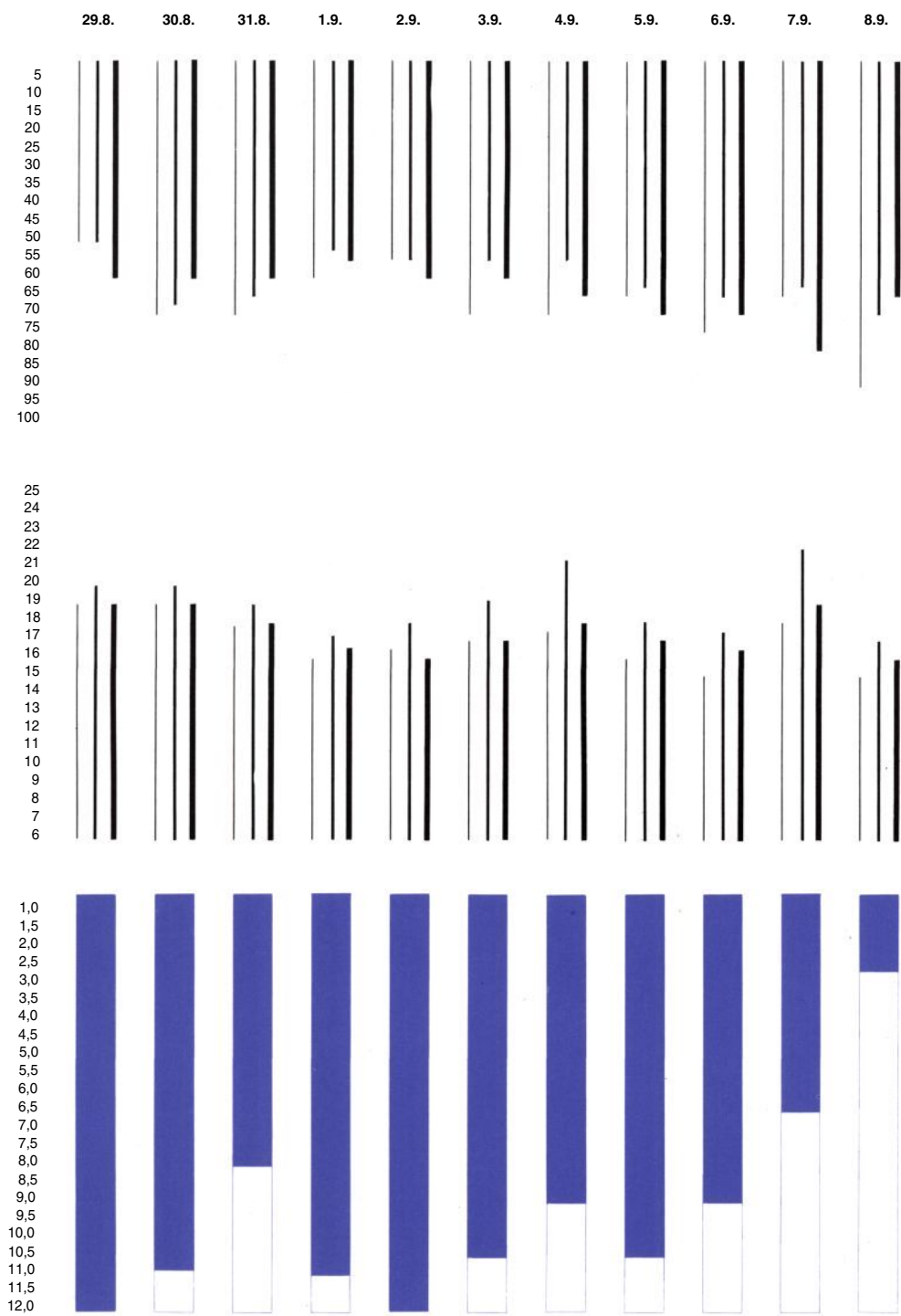
Rainfall in mm (litre/m²)
measured on 10. 9 at 21 h: 11. 5
Beginning of rainfall: 18.30 h

Niederschlag in mm (Liter/m²)
gemessen am 10. 9. 21 h: 11,5
Beginn des Niederschlags: 18.30

Relevé climatologique pour Kiel
pendant les Jeux
de la XX^e Olympiade

Climatological data for Kiel
during the Games
of the XXth Olympiad

Klimatologische Werte für Kiel
während der Spiele
der XX. Olympiade

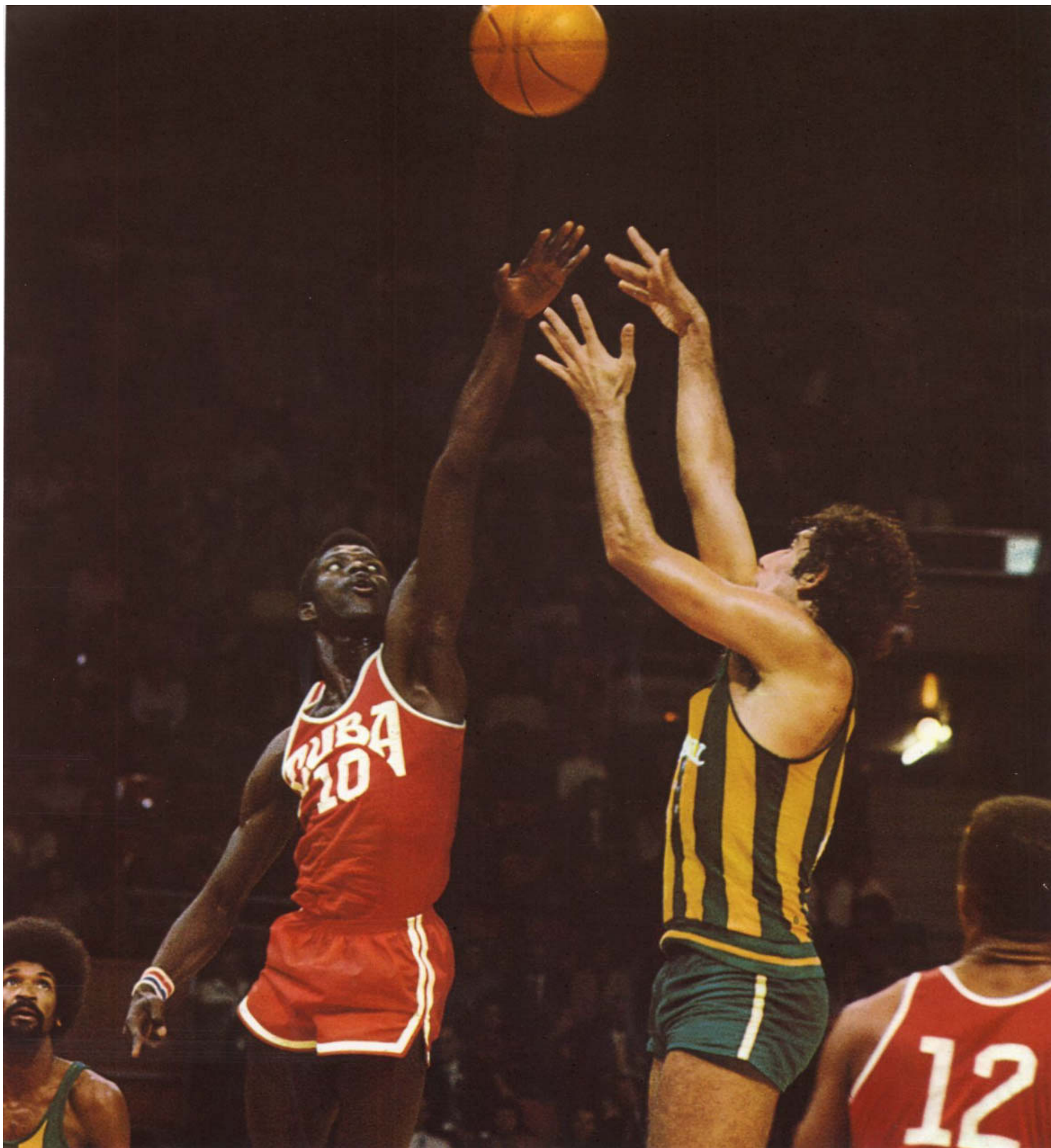


Abréviations des nations
Abbreviations of nations
Abkürzungen der Nationen

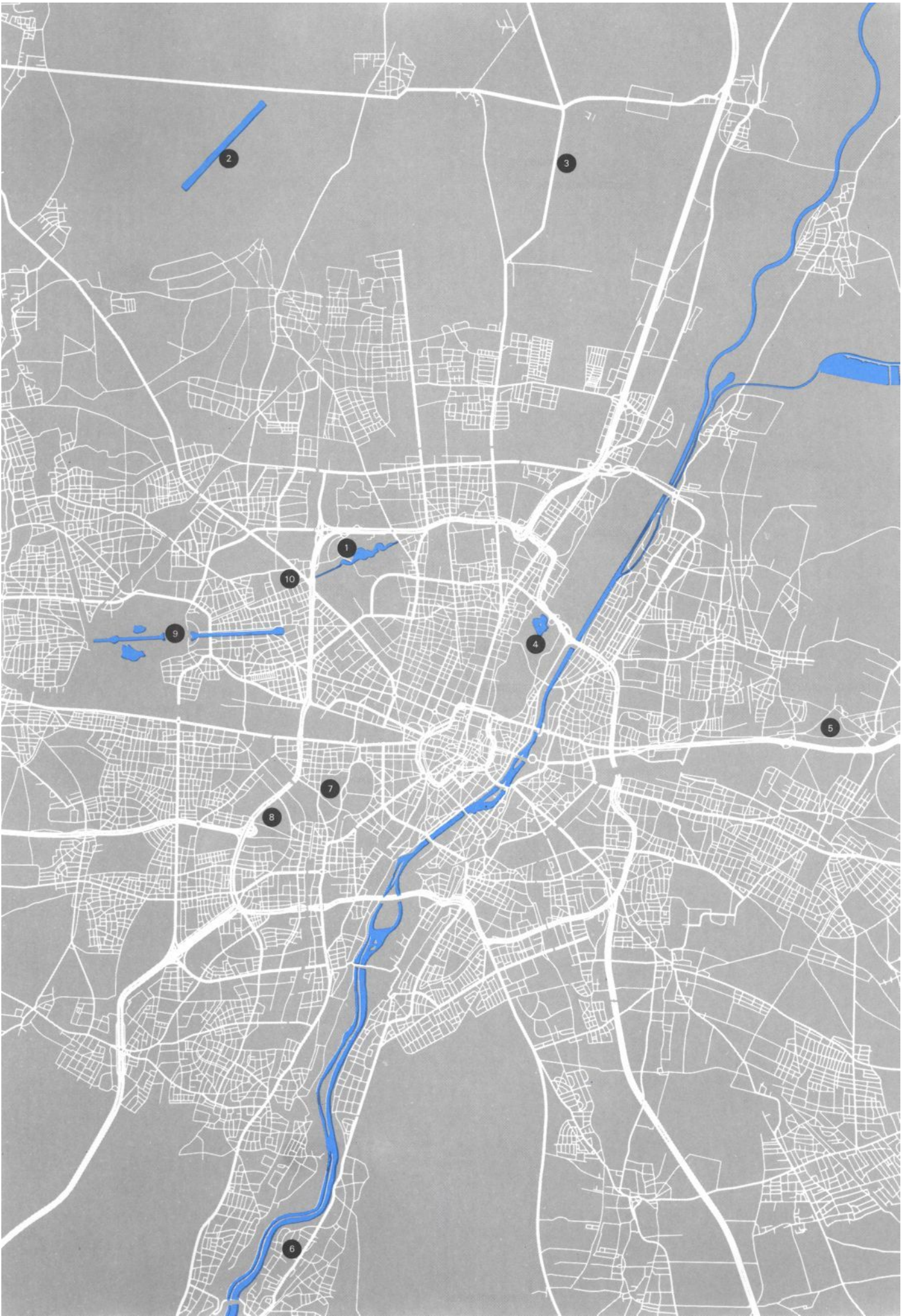
AFG	Afghanistan	Afghanistan	Afghanistan	KHM	Cambodge	Cambodia	Kambodscha
AHO	Antilles néerlandaises	Netherlands Antilles	Niederl. Antillen	KUW	Koweït	Kuwait	Kuwait
ALB	Albanie	Albania	Albanien	LBA	Libye	Libya	Libyen
ALG	Algérie	Algeria	Algerien	LBR	Libéria	Liberia	Liberia
ARG	Argentine	Argentina	Argentinien	LES	Lesotho	Lesotho	Lesotho
ARS	Arabie Séoudite	Saudi Arabia	Saudi Arabien	LIB	Liban	Lebanon	Libanon
AUS	Australie	Australia	Australien	LIE	Liechtenstein	Liechtenstein	Liechtenstein
AUT	Autriche	Austria	Österreich	LUX	Luxembourg	Luxembourg	Luxemburg
BAH	Bahamas	Bahamas	Bahamas	MAD	Madagascar	Madagascar	Madagaskar
BAR	Barbados	Barbados	Barbados	MAL	Malaisie	Malaysia	Malaysia
BEL	Belgique	Belgium	Belgien	MAR	Maroc	Marocco	Marokko
BER	Bermudes	Bermuda	Bermuda	MAW	Malawi	Malawi	Malawi
BIR	Birmanie	Burma	Burma	MEX	Mexique	Mexico	Mexiko
BOL	Bolivie	Bolivia	Bolivien	MGL	Mongolie	Mongolia	Mongolei
BRA	Brésil	Brazil	Brasilien	MLI	Mali	Mali	Mali
BUL	Bulgarie	Bulgaria	Bulgarien	MLT	Malte	Malta	Malta
CAF	Rép. Centre Africaine	Central African Rep.	Zentralafrika	MON	Monaco	Monaco	Monaco
CAN	Canada	Canada	Kanada	MRI	Ile Maurice	Mauritius	Mauritius
CEY	Ceylan	Ceylon	Ceylon	NCA	Nicaragua	Nicaragua	Nicaragua
CGO	Congo	Congo	Kongo	NEP	Népal	Nepal	Nepal
CHA	Tchad	Chad	Tschad	NGR	Nigeria	Nigeria	Nigeria
CHI	Chili	Chile	Chile	NIG	Niger	Niger	Niger
CIV	Côte-d'Ivoire	Ivory Coast	Elfenbeinküste	NOR	Novège	Norway	Norwegen
CMR	Cameroun	Cameroon	Kamerun	NZL	Nouvelle-Zélande	New Zealand	Neuseeland
COL	Colombie	Colombia	Kolumbien	PAK	Pakistan	Pakistan	Pakistan
COR	Corée	Korea	Korea	PAN	Panama	Panama	Panama
CRC	Costa Rica	Costa Rica	Costa Rica	PAR	Paraguay	Paraguay	Paraguay
CUB	Cuba	Cuba	Kuba	PER	Pérou	Peru	Peru
DAH	Dahomey	Dahomey	Dahomey	PHI	Philippines	Philippines	Philippinen
DEN	Danemark	Denmark	Dänemark	POL	Pologne	Poland	Polen
DOM	Rép. Dominicaine	Dominican Republic	Dominik. Republik	POR	Portugal	Portugal	Portugal
ECU	Equateur	Ecuador	Ekuador	PRK	R. D. P. Corée	D. P. R. Corea	Volksrepublik Korea
EGY	Egypte	Egypt	Ägypten	PUR	Porto Rico	Puerto Rico	Puerto Rico
ESP	Espagne	Spain	Spanien	RHO	Rhodésie	Rhodesia	Rhodesien
ETH	Ethiopie	Ethiopia	Äthiopien	ROC	R. D. Chine	R. O. China	R. O. China
FIJ	Iles Fidji	Fiji Islands	Fidschiinseln	ROM	Roumanie	Rumania	Rumänien
FIN	Finlande	Finland	Finnland	SAF	Rép. Sud-Africaine	South-Africa	Südafrika
FRA	France	France	Frankreich .	SAL	El Salvador	El Salvador	El Salvador
GAB	Gabon	Gabon	Gabun	SEN	Sénégal	Senegal	Senegal
GBR	Grande-Bretagne	Great Britain	Großbritannien	SIN	Singapour	Singapore	Singapur
GDR	Rép. démocr. allemande	German Democr. Rep.	Deutsche Demokr. Republik	SLE	Sierra Leone	Sierra Leone	Sierra Leone
GER	Allemagne	Germany	Deutschland	SMR	Saint- Marin	San Marino	San Marino
GHA	Ghana	Ghana	Ghana	SOM	Somalie	Somali Republic	Somalia
GRE	Grèce	Greece	Griechenland	SUD	Soudan	Sudan	Sudan
GUA	Guatemala	Guatemala	Guatemala	SU!	Suisse	Switzerland	Schweiz
GUI	Guinée	Guinea	Guinea	SUR	Surinam	Surinam	Surinam
GUY	Guyane	Guyana	Guyana	SWE	Suède	Sweden	Schweden
HAI	Haiti	Haiti	Haiti	SWZ	Swaziland	Swaziland	Swasiland
HBR	Honduras britannique	British Honduras	Britisch Honduras	SYR	Syrie	Syria	Syrien
HKG	Hong Kong	Hong Kong	Hong-Kong	TAN	Tanzanie	Tanzania	Tansania
HOL	Pays-Bas	Netherlands	Holland	TCH	Tchécoslovaquie	Czechoslovakia	Tschechoslowakei
HON	Honduras	Honduras	Honduras	THA	Thaïlande	Thailand	Thailand
HUN	Hongrie	Hungary	Ungarn	TOG	Togo	Togo	Togo
INA	Indonésie	Indonesia	Indonesien	TRI	Trinidad et Tobago	Trinidad and Tobago	Trinidad und Tobago
IND	Inde	India	Indien	TUN	Tunisie	Tunisia	Tunesien
IRL	Irlande	Ireland	Irland	TUR	Turquie	Turkey	Türkei
IRN	Iran	Iran	Iran	UGA	Ouganda	Uganda	Uganda
IRQ	Irak	Irak	Irak	URS	U.R.S.S.	U.S.S.R.	U.d.S.S.R.
ISL	Islande	Iceland	Island	URU	Uruguay	Uruguay	Uruguay
ISR	Israël	Israel	Israel	USA	U.S.A.	U.S.A.	U.S.A.
ISV	Iles Vierges	Virgin Islands	Jungferninsel	VEN	Vénézuela	Venezuela	Venezuela
ITA	Italie	Italy	Italien	VNM	Vietnam	Vietnam	Vietnam
JAM	Jamaïque	Jamaica	Jamaïka	VOL	Haute-Volta	Upper Volta	Obervolta
JOR	Jordanie	Jordan	Jordanien	YUG	Yougoslavie	Yugoslavia	Jugoslawien
JPN	Japon	Japan	Japan	ZAI	Zaire	Zaire	Zaire
KEN	Kenya	Kenya	Kenia	ZAM	Zambie	Zambia	Sambia

Symboles et abréviations
des statistiques
Symbols and abbreviations
in the statistics
Zeichen und Abkürzungen
in den Statistiken

Universel General Allgemein		Record olympique	Olympic record	olympischer Rekord
		Record olympique égalé	Olympic record equalled	olympischer Rekord eingestellt
		Record du monde	World record	Weltrekord
		Record du monde égalé	World record equalled	Weltrekord eingestellt
		masculin	male	männlich
		féminin	female	weiblich
		disqualifié	disqualified	disqualifiziert
		pas au départ	did not compete	nicht angetreten
		abandonné/blessé	gave up/injured	aufgegeben/verletzt
		Arbitre	Referee	Schiedsrichter
	Pt.	Points	Points	Punkte
	Min.	Minutes	Minutes	Minuten
	Sec.	Seconds	Seconds	Sekunden
	Dop.	disqualifié (dopage)	disqualified (doping)	disqualifiziert (Doping)
	–	Vent de face*	Head wind*	Gegenwind*
	+	Vent arrière*	Following wind*	Rückenwind*
	R	Arbitre	Referee	Ringrichter
	RSC	abandon	Referee stops contest	aufgegeben
	RD	Round	Round	Runde
	EX	éliminé	eliminated	ausgeschieden
	EX	éliminé	eliminated	ausgeschieden
	EX	éliminé	eliminated	ausgeschieden
	»	Essai manqué	no lift	ungültiger Versuch
	km/h	km/heure	km/hour	km/Stunde
	Pos I	couché	prone	liegend
	Pos II	debout	standing	stehend
	Pos III	à genoux	kneeling	kniend
	Pos	Position	Position	Position
	D	Défaite	Defeat	Niederlage
	V	Victoire	Victory	Sieg
	H	Exclusion temporaire	temp. Suspension	Hinausstellung
	L	Juge de touche	Linesman	Linienrichter
	IN	Remplaçant	Replacement	eingewechselt
	Ex	remplacé	replaced	ausgewechselt
	Fo	Faute	Foul	Foul
	Fr	Coup franc	Free throw	Freiwurf
	Ro	Rebond offensif	Rebound offensive	Rebound offensiv
	Rd	Rebond défensif	Rebound defensive	Rebound defensiv
	A	Marqueur	Scorer	Anschreiber
	M. Pt.	Points-match	Match-points	Match-Punkte
	S. Pt.	Points-set	Set-points	Satz-Punkte
		* Les mesures de vent dans les épreuves de saut portent sur le meilleur essai	* In jumping events the wind measurements apply to the best attempt	* Die Windmessungen bei Sprungwettbewerben betreffen den besten Versuch



3. 9. 72: CUB-BRA



München

1	Athlétisme Athletics Leichtathletik	Olympiastadion - Olympiapark
2	Aviron Rowing Rudern	Regattastrecke - Oberschleißheim
8	Basketball	Basketballhalle - Siegenburger Straße
1	Boxe Boxing Boxen	Boxhalle - Olympiapark
2	Canoë Canoeing Kanu	Regattastrecke - Oberschleißheim
1 6	Cyclisme Cycling Radfahren	Radstadion - Olympiapark München-Grünwald
7	Escrime Fencing Fechten	Messegelände - Fechthalle 1 Fechthalle 2
1	Football Fußball	Olympiastadion - Olympiapark
1	Gymnastique Gymnastics Turnen	Sporthalle - Olympiapark
7	Halbthérophilie Weightlifting Gewichtheben	Messegelände - Gewichtheberhalle
1	Handball	Sporthalle - Olympiapark
1	Hockey	Hockeyanlage - Olympiapark
1 7 8	Judo	Messegelände— Judo- und Ringerhalle Basketballhalle- - Siegenburger Straße Boxhalle - Olympiapa
7	Lutte Wrestling Ring	Messegelände— Judo- und Ringerhalle
1 10	Natation Swimming Schwimmen	Schwimmhalle - Olympiapark Dantebad
1	Pentathlon mod. Mod. pentathlon Mod. Fünfkampf	Olympiastadion - Olympiapark
1 5 9	Sports équestres Equestrian events Reiten	Olympiastadion - Olympiapark Reitstadion - Riem Dressuranlage - Nymphenburg
3	Tir Shooting Schießen	Schießanlage - Hochbrück
4	Tir à l'arc Archery Bogenschießen	Bogenschießanlage - Englischer Garten
1	Volleyball	Volleyballhalle - Olympiapark

Basketball



Fédération internationale International Federation Internationaler Verband: FIBA	Président President Präsident	Wahby, Abdel Moneim	EGY
	Secrétaire général Secretary General Generalsekretär	Jones, W.	GBR
	Délégués techniques Technical Delegates Technische Delegierte	Bigot, E. Mitchell, K. K.	FRA GBR
	Jury	Wahby, A. M. Lyons, G. R. Semasko, N. Dorskocil, J. Coccia, C. Lopez, R. Keiser, A. Baglajewski, A. Baeza, B.	EGY USA URS TCH ITA PUR CUB POL ESP

Fédération allemande German Federation Deutscher nat. Verband: DBB	Président President Präsident	Höfig, Hans-Joachim
	Secrétaire général Secretary General Generalsekretär	Schöttler, H.



Les vainqueurs olympiques
Olympic champions
Die Olympiasieger
1904–1972

Basketball				
1904	St. Louis	Heerdt, A. A. Miller, Ed Redlein, G. L.	Manweiler, A. W. Monahan, Charles Rhode, William	USA USA USA
1936	Berlin	Baiter, Sam Fortenberry, Joe Cephis Johnson, Francis Lubin, Frank Piper, Donald Schmidt, Willard T. Swanson, Duane	Bishop, Ralph Gibbons, John Haskell Knowles, Carl Mollner, Arthur Ragland, Jack Shy, Carl Wheatley, William	USA USA USA USA USA USA USA
1948	London	Barker, Clifford Beard, Ralph Boryla, Vincent Groza, Alexander Kurland, Robert Pitts, Robert C. Robinson, Robert	Barksdale, Donald Beck, Lewis Carpenter, Gordon Jones, Wallace C. Lumpp, Raymond Renick, James Rollins, Kenneth	USA USA USA USA USA USA USA
1952	Helsinki	Bontemps, Ronald Glasgow, Weyne Hougland, William M. Kelley, Dean Kurland, Robert A. Lovelotte, Clyde Pippin, Daniel	Freiberger, Marcus Hoag, Charles M. Keller, John F. Kenney, Robert E. Lienhard, William McCabe, Frank R. Williams, Howard E.	USA USA USA USA USA USA USA
1956	Melbourne	Boushka, Richard J. Darling, Charles Ford, Gilbert Hougland, William M. Jones, Kenneth C. Tomsic, Ronald	Cain, Carl Cecil Evans, William Haldorson, Burdette Jeangerard, Robert E. Rüssel, William Walsh, James Patrick	USA USA USA USA USA USA
1960	Rom	Arnette, Jay Boozer, Robert Haldorson, Burdette Kelley, Allen Lucas, Jerry Smith, Adrian	Bellamy, Walter Dischinger, Terry Imhoff, Darrall Lane, Lester Robertson, Oscar West, Jerry	USA USA USA USA USA USA
1964	Tokyo	Barnes, James Brown, Lawrence Counts, Mel Grant Hazzard, Walter McCaffrey, John Paul Shipp, Jerry	Bradley, William Warren Coldwell, Joe Luis Davies, Richard Allen Jackson, Lucius Mullins, Jeffry Wilson, George	USA USA USA USA USA USA
1968	Mexico City	Barret, Michael Dee, Donald Haywood, Spencer King, James Scott, Charles Spain, Ken	Clawson, John Fowler, Calvin Hosket, Bill Saulters, Glynn Silliman, Michael White, Joseph	USA USA USA USA USA USA
1972	München	Polivoda, Anatoli Sakandelidze, Zurab Boloshev, Aleksander Belov, Sergei Dvorni, Ivan Belov, Aleksander	Paulauskas, Modestas Sharmukhamedov, A. Edeshko, Ivan Korkia, Mihail Volnov, Gennadi Kovalenko, Sergei	URS URS URS URS URS URS



Éliminatoire, groupe A
Preliminary round, group A
Vorrunde, Gruppe A



27.8.			CUB – EGY	CUB	Fo	Fr	Ro	Rd	Pt	EGY	Fo	Fr	Ro	Rd	Pt
			105 : 64	Domecq, Juan	2	2	1	3	6	Essam, Khaled M. Hussein	4	12	2	0	20
				Herrera, Ruperto	4	2	0	2	15	Talaat, M. Gurnidi M.	0	0	0	0	0
			50 : 33	Roca, Juan	2	4	2	3	8	Abdelhamid, A. Mobarak	0	0	0	0	0
			55 : 31	Chappe Garcia, Pedro	2	0	1	3	14	Mohamed, Kamel A. Fathi	0	0	0	0	0
				Alvarez, José Miguel	3	0	0	4	0	Tewfik, Elsayed Sayed	4	2	0	2	3
				Canizares Poey, Rafael	4	0	0	0	8	Abdelhamid, Elsayharty A.	5	0	2	0	6
				PerezArmenteros, Conrado	5	2	0	3	12	Selim, Mohamed Aly I.	3	0	0	0	8
				Calderon Gomez, Miguel	2	2	0	1	18	Ibrahim, Ismail Adel	4	4	5	5	4
				Herrera, Tomas	2	4	0	3	13	Fouad, A. Aboulkheir S.	5	0	0	1	12
				Varona, Oscar	2	0	0	0	2	Kamel, M. Elguamal Kamal	2	0	0	1	0
R	Muchamedzjanow, G.	URS		Urgelles, Alejandro	5	2	2	8	6	Abdelnabi, Awad Awad	4	6	2	0	11
R	Jaksié, Drages	YUG		Standard, Franklin	5	2	0	1	3						
27. 8.			USA – TCH	USA	Fo	Fr	Ro	Rd	Pt	TCH	Fo	Fr	Ho	Rd	Pt
			66 : 35	Davis, Kenneth	0	0	0	0	2	Novicky, Petr	3	0	0	1	4
				Collins, Douglas	1	0	0	2	2	Dousa, Zdeněk	2	0	2	1	2
			34 : 12	Henderson, Thomas	2	2	0	2	16	Konopasek, Jiri	5	0	0	2	2
			32 : 23	Bantom, Michael	4	0	0	2	0	Pospisil, Jifi	2	0	0	2	2
				Jones, Robert	0	0	0	0	0	Kos, Zdeněk	5	4	3	0	3
				Jones, Dwight	4	4	3	4	15	Balastik, Jiff	1	0	0	5	0
				Forbes, James	1	0	0	0	0	Zidek, Jifi	1	4	2	1	5
				Brewer, James	3	0	3	6	10	Zednicek, Jiri	2	2	1	1	4
				Burleson, Tommy	2	0	1	0	2	Bobrovsky, Jan	5	4	0	0	5
				McMillen, Thomas	0	4	1	1	3	Brabenec, Kamil	2	4	2	0	2
R	Anheuser, Rudolf	GER		Joyce, Kevin	4	2	1	1	12	Blazek, Jan	3	0	2	2	4
R	Otero Torres, Osvaldo	PUR		Rattleff, Ed	5	0	0	4	4	Ruzicka, Jiri	1	0	0	0	2
27.8.			JPN – BRA	JPN	Fo	Fr	Ro	Rd	Pt	BRA	Fo	Fr	Ho	Rd	Pt
			55 : 110	Taniguchi, Masatomo	0	2	1	2	11	Washington, Joseph	2	2	0	1	14
				Sugita, Katsuhiko	2	0	0	0	0	Gorauskas, Radvilas K. G.	2	2	2	1	7
			35 : 55	Yokoyama, Kunihiro	3	2	0	1	1	Ubiratan Pereira, Maciel	1	2	4	4	15
			20 : 55	Abe, Shigeaki	3	0	0	4	18	Garcia Sergio, Francisco	1	2	0	0	8
				Soda, Kenji	1	0	1	0	0	Garcia Rubens, Helio	1	0	0	1	14
				Hattori, Nobuo	5	0	0	2	6	Leite Abdalla, Marcos A.	5	0	2	11	10
				Yoshikawa, Mineo	4	0	0	0	0	dos Santos, José Aparecido	5	0	2	2	6
				Sakai, Kazufumi	0	0	0	0	0	Menon, Luiz Claudio	3	2	2	1	17
				Chigusa, Nobuo	2	0	0	0	0	Nascimento, Adilson	4	0	4	4	8
				Mori, Satoshi	3	0	0	4	14	Simoes, José Edivar	0	0	0	0	0
R	Arabadjan, Artenik	BUL		Somatomo, Atsushi	4	0	1	1	4	de Castro, José Geraldo	1	2	1	4	7
R	Jarzebinski, Jan	POL		Numata, Hirohumi	5	2	0	1	1	Massoni, Carlos Domingos	0	2	1	1	4
27.8.			ESP – AUS	ESP	Fo	Fr	Ro	Rd	Pt	AUS	Fo	Fr	Ho	Rd	Pt
			79 : 74	Brabender, Wayne	4	0	0	1	12	Marsland, Glenn Maynard	0	0	0	0	0
				Ramos Cecilio, Vicente	5	2	0	4	17	Watson, Ian Broughton	3	2	0	0	2
			36 : 41	Cabrera, Carmelo	4	0	2	0	0	Duke, Richard John David	5	2	2	0	6
			43 : 33	Margall Toulér, Enrique	3	0	1	5	6	Wyatt, William George	4	2	0	0	7
				Santillana, Luis Miguel	2	2	2	6	10	Palubinskas, Edward S.	5	8	2	1	25
				Iradier, Jesus	0	0	0	0	0	Kerle, Brian Edward	0	0	0	0	0
				Buscato Durlau, Francisco	0	2	0	0	2	Byrne, Peter Lawrence	4	2	1	0	4
				Corbalan, Juan Antonio	2	0	0	0	0	Crosswhite, Perry Rothrock	5	0	3	1	16
				Rullan, Rafael	2	2	0	3	11	Tomlinson, Raymond John	5	0	5	7	6
				Luyk Diem, Clifford	2	2	0	5	14	James, Kenneth Robert	5	0	1	0	8
				Estrada, Miguel Angel	0	0	0	0	0	Bender, Thomas Erwin	0	0	0	0	0
R	Rae, Allen Gordon	CAN		Sagui–Vela, Gonzalo	3	2	0	3	7	Koltuniewicz, Anatoli	1	0	1	0	0
R	Bestgen, Willy	GER													
28. 8.			BRA – EGY	BRA	Fo	Fr	Ro	Rd	Pt	EGY	Fo	Fr	Ro	Rd	Pt
			110 : 84	Washington, Joseph	4	2	0	1	12	Essam, Khaled M. Hussein	3	4	0	0	7
				Gorauskas, Radvilas K. G.	5	0	0	3	10	Talaat, M. Gurnidi M.	0	0	0	0	0
			63 : 39	Ubiratan Pereira, Maciel	3	4	4	6	20	Abdelhamid, A. Mobarak	0	0	0	0	0
			47 : 45	Garcia Sergio, Francisco	4	2	0	3	7	Mohamed, Kamel A. Fathi	5	0	0	1	10
				Garcia Rubens, Helio	3	0	0	2	2	Tewfik, Elsayed Sayed	3	4	1	1	14
				Leite Abdalla, Marcos A.	2	12	3	2	16	Abdelhamid, Elsayharty A.	5	6	3	3	20
				dos Santos, José Aparecido	4	0	2	5	8	Selim, Mohamed Aly I.	2	10	0	1	8
				Menon, Luiz Claudio	2	2	1	2	20	Ibrahim, Ismail Adel	4	0	0	0	0
				Nascimento, Adilson	5	2	2	2	10	Fouad, A. Aboulkheir S.	2	0	0	0	2
				Simoes, José Edivar	0	0	0	0	0	Kamel, M. Elguamal Kamal	5	0	0	1	10
R	Bestgen, Willy	GER		de Castro, José Geraldo	0	0	0	0	0	Abdelnabi, Awad Awad	2	4	7	1	13
R	Sanchez, Felix	SEN		Massoni, Carlos Domingos	3	2	0	0	5						



Éliminatoire, groupe A
Preliminary round, group A
Vorrunde, Gruppe A



28.8.			USA – AUS	USA	Fo	Fr	Ro	Rd	Pt	AUS	Fo	Fr	Ro	Rd	Pt
			81 : 55	Davis, Kenneth	2	0	0	0	2	Marsland, Glenn Maynard	0	0	0	0	0
				Collins, Douglas	2	2	1	4	9	Watson, Ian Broughton	1	0	0	0	0
			36 : 24	Henderson, Thomas	2	0	0	1	6	Duke, Richard John David	4	4	0	0	14
			45 : 31	Bantom, Michael	2	4	4	2	6	Wyatt, William George	0	0	0	0	2
				Jones, Robert	3	4	4	4	12	Palubinskas, Edward S.	3	2	1	1	10
				Jones, Dwight	3	0	1	7	8	Kerle, Brian Edward	1	0	2	1	8
				Forbes, James	0	0	3	2	2	Byrne, Peter Lawrence	3	4	0	0	2
				Brewer, James	1	2	6	10	5	Crosswhite, Perry Rothrock	0	0	1	4	6
				Burleson, Tommy	1	2	3	2	3	Tomlinson, Raymond John	4	0	0	0	0
				McMillen, Thomas	1	0	3	0	6	James, Kenneth Robert	4	2	0	1	9
R	Kasatikov, Victor	URS		Joyce, Kevin	4	0	0	0	4	Bender, Thomas Erwin	1	0	2	5	4
R	Bianchi, Francesco	ITA		Ratliff, Ed	4	0	5	2	18	Koitusiewicz, Anatoli	1	0	1	0	0
28.8.			CUB – ESP	CUB	Fo	Fr	Ro	Rd	Pt	ESP	Fo	Fr	Ro	Rd	Pt
			74 : 53	Domecq, Juan	3	2	0	1	7	Brabender, Wayne	2	0	1	0	4
				Herrera, Ruperto	1	2	0	4	13	Ramos Cecilio, Vicente	3	0	0	0	2
			36 : 24	Roca, Juan	0	0	0	0	0	Cabrera, Carmelo	1	0	0	0	0
			38 : 29	Chappe Garcia, Pedro	1	2	0	8	17	Margall Toulér, Enrique	3	0	1	2	2
				Alvarez, José Miguel	2	0	0	0	0	Santillana, Luis Miguel	4	6	5	4	14
				Canizares Poey, Rafaël	2	0	0	0	0	Iradier, Jesus	3	2	1	0	3
				Perez Armenteros, Conrado	3	0	0	2	2	Buscato Durlau, Francisco	1	0	0	0	4
				Calderon Gomez, Miguel	3	4	1	1	8	Corbalan, Juan Antonio	1	0	0	0	2
				Herrera, Tomas	3	2	0	1	12	Rullan, Rafael	5	2	3	2	4
				Varona, Oscar	1	2	0	0	4	Luyk Diem, Clifford	1	0	0	1	8
R	Kassai, Ervin	HUN		Urgelles, Alejandro	3	4	0	2	11	Estrada, Miguel Angel	1	4	0	1	2
R	Anheuser, Rudolf	GER		Standard, Franklin	0	0	0	0	0	Sagui-Vela, Gonzalo	0	0	0	0	8
28.8.			JPN – TCH	JPN	Fo	Fr	Ro	Rd	Pt	TCH	Fo	Fr	Ro	Rd	Pt
			61 : 74	Taniguchi, Masatomo	1	4	0	2	16	Novicky, Petr	4	2	6	4	7
				Sugita, Katsuhiko	0	0	0	0	0	Dousa, Zdeněk	0	0	0	0	0
			34 : 27	Yokoyama, Kunihiro	4	2	2	0	5	Konopásek, Jiri	5	0	0	0	2
			27 : 47	Abe, Shigeaki	4	6	1	5	23	Pospisil, Jiri	2	2	0	3	7
				Soda, Kenji	0	0	0	0	0	Kos, Zdeněk	4	0	1	8	6
				Hattori, Nobuo	5	2	3	3	12	Balastik, Jiri	1	0	1	3	4
				Yoshikawa, Mineo	4	0	0	5	2	Zidek, Jiri	1	2	1	2	5
				Sakai, Kazufumi	2	0	0	0	0	Zednicek, Jiri	4	2	1	4	21
				Chigusa, Nobuo	0	0	0	0	0	Bobrovsky, Jan	4	6	1	2	10
				Mori, Satoshi	4	0	0	5	2	Brabenec, Kamil	1	2	3	1	12
R	Leegwater, Pieter J. C.	HOL		Somatomo, Atsushi	2	2	0	0	1	Blazek, Jan	1	0	1	0	0
R	Ilagan, Fidencio	PHI		Numata, Hirohumi	5	0	1	2	0	Ruzicka, Jiri	0	0	0	0	0
29.8.			BRA – ESP	BRA	Fo	Fr	Ro	Rd	Pt	ESP	Fo	Fr	Ro	Rd	Pt
			72 : 69	Washington, Joseph	2	2	2	4	6	Brabender, Wayne	2	4	3	5	22
				Gorauskas, Radvilas K. G.	0	0	0	0	0	Ramos Cecilio, Vicente	1	0	0	0	0
			43 : 38	Ubiraten Pereira, Maciel	2	2	3	7	11	Cabrera, Carmelo	0	0	0	0	0
			29 : 31	Garcia Sergio, Francisco	0	0	0	0	0	Margall Toulér, Enrique	1	0	1	0	0
				Garcia Rubens, Helio	0	2	1	2	18	Santillana, Luis Miguel	1	2	0	2	1
				Leite Abdalla, Marcos A.	3	2	4	6	16	Iradier, Jesus	0	0	0	0	0
				dos Santos, José Aparecido	4	0	2	1	4	Buscato Durlan, Francisco	4	0	0	3	14
				Menon, Luiz Claudio	1	2	1	0	4	Corbalan, Juan Antonio	3	2	0	0	6
				Nascimento, Adilson	3	4	4	7	13	Rullan, Rafael	1	0	4	6	16
				Simoes, José Edivar	0	0	0	0	0	Luyk Diem, Clifford	5	0	3	9	6
R	Richardson, Hugh Brown	THA		de Castro, José Geraldo	0	0	0	0	0	Estrada, Miguel Angel	0	0	0	0	0
R	Jaksic, Dragas	YUG		Massoni, Carlos Domingos	0	0	0	0	0	Sagui-Vela, Gonzalo	0	0	0	3	4
29.8.			JPN – EGY	JPN	Fo	Fr	Ro	Rd	Pt	EGY	Fo	Fr	Ro	Rd	Pt
			78 : 73	Taniguchi, Masatomo	2	6	2	2	27	Essam, Khaled M. Hussein	4	2	0	1	10
				Sugita, Katsuhiko	0	0	0	0	0	Talaat, M. Gurnidi M.	0	0	0	0	0
			31 : 46	Yokoyama, Kunihiro	3	0	1	1	0	Abdelhamid, A. Mobarak	0	0	0	0	0
			47 : 27	Abe, Shigeaki	3	2	1	3	19	Mohamed, Kamel A. Fathi	1	2	0	1	4
				Soda, Kenji	0	2	1	0	1	Tewfik, Elsayed Sayed	4	6	2	1	13
				Hattori, Nobuo	1	2	2	7	10	Abdelhamid, Elsharty A.	5	0	3	3	8
				Yoshikawa, Mineo	2	2	0	0	1	Selim, Mohamed Aly I.	3	2	0	2	9
				Sakai, Kazufumi	1	0	0	0	0	Ibrahim, Ismail Adel	5	0	3	3	6
				Chigusa, Nobuo	0	0	0	0	0	Fouad, A. Aboulkheir S.	4	0	1	0	6
				Mori, Satoshi	4	6	1	0	10	Kamel, M. Elguamal Kamal	2	2	2	0	4
R	Bianchi, Francesco	ITA		Somatomo, Atsushi	0	0	0	0	0	Abdelnabi, Awad Awad	2	2	2	6	13
R	Kasatikov, Victor	URS		Numate, Hirohumi	2	4	3	0	10						



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29.8.			TCH – AUS	TCH	Fo	Fr	Ro	Rd	Pt	AUS	Fo	Fr	Ro	Rd	Pt
			69 : 68	Novicky, Petr	5	0	1	5	8	Marsland, Glenn Maynard	0	0	0	0	0
				Dousa, Zdeněk	1	0	0	1	2	Watson, Ian Broughton	5	2	0	1	1
			39 : 38	Konopásek, Jiri	5	0	0	2	2	Duke, Richard John David	5	0	4	1	6
			30 : 30	Pospíšil, Jiri	5	0	2	3	8	Wyatt, William George	3	2	0	0	1
				Kos, Zdeněk	3	0	7	9	10	Palubinskas, Edward S.	4	13	1	4	27
				Balastik, Jiri	5	0	0	0	0	Kerle, Brian Edward	4	2	2	2	8
				Zidek, Jiri	3	4	2	3	11	Byrne, Peter Lawrence	5	0	0	2	2
				Zednicek, Jiri	5	0	0	2	4	Crosswhite, Perry Rothrock	3	2	4	4	9
				Bobrovsky, Jan	5	2	0	1	6	Tomlinson, Raymond John	4	0	0	0	6
				Brabeneč, Kamil	2	0	0	4	16	James, Kenneth Robert	5	0	2	4	8
R	Muchamedzjanow, G.	URS		Blazek, Jan	0	0	0	0	0	Bender, Thomas Erwin	0	0	0	0	0
R	Servidio, Naz	USA		Ruzicka, Jiri	0	0	0	0	2	Koltuniewicz, Anatoli	1	0	0	1	0
29.8.			USA – CUB	USA	Fo	Fr	Ro	Rd	Pt	CUB	Fo	Fr	Ro	Rd	Pt
			67 : 48	Davis, Kenneth	0	2	0	0	2	Domecq, Juan	1	4	1	2	5
				Collins, Douglas	3	2	0	3	1	Herrera, Ruperto	5	0	0	1	6
			33 : 21	Henderson, Thomas	1	0	0	1	6	Roca, Juan	0	0	0	0	0
			34 : 27	Bantom, Michael	5	4	2	0	6	Chappe Garcia, Pedro	5	2	0	5	4
				Jones, Robert	3	2	2	1	4	Alvarez, José Miguel	0	0	0	0	0
				Jones, Dwight	3	6	1	5	18	Canizares Poey, Rafael	3	2	1	0	10
				Forbes, James	5	0	0	4	8	Perez Armenteros, Conrado	3	0	0	0	2
				Brewer, James	3	2	1	2	4	Calderon Gomez, Miguel	3	0	0	0	2
				Burleson, Tommy	5	6	2	1	5	Herrera, Tomas	4	4	1	1	2
				McMillen, Thomas	5	0	1	1	2	Varona, Oscar	3	2	2	0	4
R	Leegwater, Pieter J. C.	HOL		Joyce, Kevin	4	2	0	0	4	Urgelles, Alejandro	4	14	3	4	13
R	Bestgen, Willy	GER		Ratleff, Ed	2	2	0	1	7	Standard, Franklin	0	0	0	0	0
30.8.			EGY – ESP	EGY	Fo	Fr	Ro	Rd	Pt	ESP	Fo	Fr	Ro	Rd	Pt
			58 : 72	Essam, Khaled M. Hussein	3	2	1	2	4	Brabender, Wayne	0	6	1	0	10
				Talaat, M. Gurnidi M.	0	0	0	0	0	Ramos Cecilio, Vicente	3	2	1	4	8
			26 : 33	Abdelhamid, A. Mobarak	0	0	0	0	0	Cabrera, Carmelo	0	0	0	0	0
			32 : 39	Mohamed, Kamel A. Fathi	3	0	0	2	6	Margall Toulér, Enrique	4	2	2	4	12
				Tewfik, Elsayed Sayed	2	4	1	1	13	Santillana, Luis Miguel	3	8	2	3	11
				Abdelhamid, Elsayharty A.	2	6	4	0	11	Iradier, Jesus	0	0	0	0	0
				Selim, Mohamed Aly I.	4	0	0	0	0	Buscato Durlau, Francisco	4	0	0	1	10
				Ibrahim, Ismail Adel	5	6	3	1	8	Corbalan, Juan Antonio	3	0	0	0	2
				Fouad, A. Aboulkheir S.	2	0	0	1	10	Rullan, Rafael	5	6	4	6	16
				Kamel, M. Elguamal Kamal	3	0	0	0	0	Luyk Diem, Clifford	0	0	0	0	0
R	Muchamedzjanow, G.	URS		Abdelnabi, Awad Awad	2	0	2	1	6	Estrada, Miguel Angel	5	4	0	6	3
R	Ilagan, Fidencio	PHI								Sagui-Vela, Gonzalo	0	0	0	0	0
30.8.			JPN – AUS	JPN	Fo	Fr	Ro	Rd	Pt	AUS	Fo	Fr	Ro	Rd	Pt
			76 : 92	Taniguchi, Masatomo	3	0	1	1	24	Marsland, Glenn Maynard	1	0	1	1	0
				Sugita, Katsuhiko	0	0	0	0	0	Watson, Ian Broughton	3	0	0	1	2
			36 : 45	Yokoyama, Kunihiro	2	4	1	0	17	Duke, Richard John David	4	2	2	5	9
			40 : 47	Abe, Shigeaki	2	4	1	1	15	Wyatt, William George	2	0	0	0	4
				Soda, Kenji	3	0	0	0	0	Palubinskas, Edward S.	3	8	1	0	21
				Hattori, Nobuo	5	2	3	1	8	Kerle, Brian Edward	3	0	1	1	6
				Yoshikawa, Mineo	5	2	2	1	5	Byrne, Peter Lawrence	4	4	3	2	12
				Sakai, Kazufumi	0	0	0	0	0	Crosswhite, Perry Rothrock	3	4	1	4	19
				Chigusa, Nobuo	0	0	0	0	2	Tomlinson, Raymond John	0	0	0	1	0
				Mori, Satoshi	1	2	1	1	3	James, Kenneth Robert	0	2	3	3	14
				Somatomo, Atsushi	2	0	1	1	2	Bender, Thomas Erwin	2	0	0	1	2
R	Jaksic, Dragas	YUG		Numata, Hirohumi	5	0	0	0	0	Koltuniewicz, Anatoli	1	4	3	0	3
R	Otero Torres, Osvaldo	PUR													
30.8.			TCH – CUB	TCH	Fo	Fr	Ro	Rd	Pt	CUB	Fo	Fr	Ro	Rd	Pt
			65 : 77	Novicky, Petr	5	0	0	1	0	Domecq, Juan	4	2	1	2	4
				Dousa, Zdeněk	0	0	0	0	0	Herrera, Ruperto	3	4	1	4	18
			32 : 41	Konopásek, Jiri	5	0	0	0	0	Roca, Juan	3	4	2	0	3
			33 : 36	Pospíšil, Jiri	1	6	2	5	14	Chappe Garcia, Pedro	4	8	1	6	13
				Kos, Zdeněk	5	2	4	2	14	Alvarez, José Miguel	0	0	0	0	0
				Balastik, Jiri	2	2	0	0	4	Canizares Poey, Rafael	4	2	0	0	8
				Zidek, Jiri	2	0	0	0	4	Perez Armenteros, Conrado	1	0	0	0	2
				Zednicek, Jiri	4	4	2	2	13	Calderon Gomez, Miguel	3	2	1	1	5
				Bobrovsky, Jan	5	0	0	0	6	Herrera, Tomas	4	2	0	0	9
				Brabeneč, Kamil	4	0	0	1	8	Varona, Oscar	0	0	0	0	0
R	Rae, Allen Gordon	CAN		Blazek, Jan	0	0	1	0	0	Urgelles, Alejandro	4	4	3	3	13
R	Jarzebinski, Jan	POL		Ruzicka, Jiri	5	0	0	0	2	Standard, Franklin	1	0	0	0	2



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30. 8.			BRA – USA	BRA	Fo	Fr	Ro	Rd	Pt	USA	Fo	Fr	Ro	Rd	Pt
			54 : 61	Washington, Joseph	5	0	0	2	2	Davis, Kenneth	0	0	0	0	0
			26 : 26	Gorauskas, Radvilas K. G.	0	0	0	0	0	Collins, Douglas	4	2	0	4	11
			28 : 35	Ubiratan Pereira, Maciel	4	0	8	4	14	Henderson, Thomas	3	0	0	2	12
				Garcia Sergio, Francisco	0	0	0	0	0	Bantom, Michael	5	4	2	4	5
				Garcia Rubens, Helio	4	2	0	0	10	Jones, Robert	0	0	0	0	0
				Leite Abdalla, Marcos A.	3	12	3	7	20	Jones, Dwight	3	2	2	3	5
				dos Santos, José Aparecido	0	0	0	0	0	Forbes, James	1	0	1	1	4
				Menon, Luiz Claudio	0	0	0	0	0	Brewer, James	4	0	3	5	8
				Nascimento, Adilson	4	0	2	4	8	Burleson, Tommy	1	0	0	0	0
R	Kassai, Ervin	HUN		Simoes, José Edivar	0	0	0	0	0	McMillen, Thomas	0	2	0	0	2
R	Dimou, Konstantin	GRE		de Castro, José Geraldo	5	0	0	2	0	Joyce, Kevin	3	2	0	1	6
				Massoni, Carlos Domingos	1	0	0	0	0	Ratliff, Ed	4	2	1	1	8
1. 9.			AUS – CUB	AUS	Fo	Fr	Ro	Rd	Pt	CUB	Fo	Fr	Ro	Rd	Pt
			70 : 84	Marsland, Glenn Maynard	0	0	0	0	0	Domecq, Juan	4	4	1	3	10
			31 : 42	Watson, Ian Broughton	2	0	0	3	0	Herrera, Ruperto	4	0	2	7	2
			39 : 42	Duke, Richard John David	4	4	1	0	11	Roca, Juan	0	2	2	0	2
				Wyatt William George	4	0	0	1	4	Chappel Garcia, Pedro	0	0	2	6	4
				Palubinskas, Edward S.	2	6	2	1	23	Alvarez, José Miguel	0	0	0	0	0
				Kerle, Brian Edward	0	0	1	6	4	Canizares Poey, Rafael	1	2	0	0	5
				Byrne, Peter Lawrence	5	0	1	1	4	PerezArmenteros, Conrado	3	0	0	0	6
				Crosswhite, Perry Rothrock	1	0	4	2	8	Calderon Gomez, Miguel	3	0	0	1	10
				Tomlinson, Raymond John	0	0	0	0	0	Herrera, Tomas	3	2	1	2	14
				James, Kenneth Robert	0	0	1	1	4	Varona, Oscar	2	0	1	3	2
R	Kasatikov, Victor	URS		Bender, Thomas Erwin	1	0	0	1	2	Urgelles, Alejandro	1	8	4	1	27
R	Ilagan, Fidencio	PHI		Koltuniewicz, Anatoli	0	6	2	3	10	Standard, Franklin	1	0	0	2	2
1. 9.			EGY – USA	EGY	Fo	Fr	Ro	Rd	Pt	USA	Fo	Fr	Ro	Rd	Pt
			31 : 96	Essam, Khaled M, Hussein	4	4	1	1	5	Davis, Kenneth	4	0	2	1	6
			17 : 48	Talaat, M. Gurnidi M.	0	0	0	0	0	Collins, Douglas	2	0	2	0	10
			14 : 48	Abdelhamid, A. Mobarak	0	0	0	0	0	Henderson, Thomas	2	0	0	2	4
				Mohamed, Kamel A. Fathi	1	0	1	0	0	Bantom, Michael	2	2	4	2	17
				Tewfik, Elsayed Sayed	4	2	2	1	1	Jones, Robert	3	2	2	3	7
				Abdelhamid, Elsayarty A.	2	0	1	2	2	Jones, Dwight	1	2	0	0	3
				Selim, Mohamed Aly I.	5	0	0	2	2	Forbes, James	1	2	4	0	10
				Ibrahim, Ismail Adel	5	0	2	5	4	Brewer, James	1	6	5	1	8
				Fouad, A. Aboulkheir S.	5	8	1	3	16	Burleson, Tommy	2	0	3	0	6
R	Rae, Allen Gordon	CAN		Kamel, M. Elguamal Kamal	3	2	0	0	1	McMillen, Thomas	3	4	7	7	16
R	Holden, Ernest John	AUS		Abdelnabi, Awad Awad	4	0	2	1	0	Joyce, Kevin	4	0	0	4	4
										Ratliff, Ed	1	2	0	2	5
1. 9.			TCH – BRA	TCH	Fo	Fr	Ro	Rd	Pt	BRA	Fo	Fr	Ro	Rd	Pt
			82 : 83	Novicky, Petr	4	0	2	2	8	Washington, Joseph	3	0	0	0	4
			42 : , 40	Dousa, Zdeněk	1	2	0	1	0	Gorauskas, Radvilas K. G.	0	0	0	0	0
			40 : 43	Konopásek, Jiri	2	0	0	0	0	Ubiratan Pereira, Maciel	5	4	4	2	20
				Pospisil, Jiri	4	2	0	2	14	GarciaSergio, Francisco	0	0	0	0	0
				Kos, Zdeněk	5	2	3	2	7	Garcia Rubens, Helio	2	2	0	1	6
				Balastik, Jiri	1	2	0	0	4	Leite Abdalla, Marcos A.	4	6	3	7	24
				Zidek, Jiri	4	4	0	2	7	dos Santos, José Aparecido	0	0	0	0	0
				Zednišek, Jiri	4	0	0	4	14	Menon, Luiz Claudio	4	4	2	1	17
				Bobrovsky, Jan	5	2	1	3	22	Nascimento, Adilson	2	6	4	3	12
				Brabenec,Kamil	3	0	0	0	4	Simoes, José Edivar	0	0	0	0	0
R	Jaksic, Dragas	YUG		Blazek, Jan	2	0	0	0	2	de Castro, José Geraldo	0	0	0	0	0
R	Anheuser, Rudolf	GER		Ruzižka, Jiri	0	0	0	0	0	Massoni, Carlos Domingos	1	0	0	0	0
1. 9.			JPN – ESP	JPN	Fo	Fr	Ro	Rd	Pt	ESP	Fo	Fr	Ro	Rd	Pt
			76 : 87	Taniguchi, Masatomo	2	8	2	1	39	Brabender, Wayne	4	4	4	7	29
			47 : 45	Sugita, Katsuhiko	0	0	1	0	0	Ramos Cecilio, Vicente	5	0	1	0	8
			29 : 42	Yokoyama, Kunihiro	3	0	2	4	6	Cabrera, Carmelo	0	0	0	0	0
				Abe, Shigeaki	1	0	2	4	6	Margall Toulér, Enrique	0	2	5	3	10
				Soda, Kenji	0	0	0	0	0	Santillana, Luis Miguel	0	0	0	0	0
				Hattori, Nobuo	4	2	1	1	4	Iradier, Jesus	0	0	0	0	0
				Yoshikawa, Mineo	3	0	1	1	0	Buscato Durlau, Franzisco	0	2	0	1	2
				Sakai, Kazufumi	2	0	0	0	0	Corbalan, Juan Antonio	2	0	0	0	0
				Chigusa, Nobuo	4	2	0	1	1	Rullan,Rafael	5	4	1	2	7
				Mori, Satoshi	4	8	1	1	11	Luyk Diem, Clifford	3	4	7	12	21
R	Bianchi, Francesco	ITA		Somatomo, Atsushi	2	0	1	0	2	Estrada, Miguel Angel	1	6	2	2	0
R	Otero Torres, Osvaldo	PUR		Numata, Hirohumi	4	4	2	3	7	Sagui–Vela, Gonzalo	4	0	0	5	10



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2. 9.			AUS – BRA	AUS	Fo	Fr	Ro	Rd	Pt	BRA	Fo	Fr	Ro	Rd	Pt
			75 : 69	Marsland, Glenn Maynard	0	0	0	0	0	Washington, Joseph	5	2	6	2	8
			40 : 34	Watson, Ian Broughton	4	0	0	0	0	Gorauskas, Radvilas K. G.	0	0	0	0	0
			35 : 35	Duke, Richard John David	3	6	0	1	14	Ubiratan Pereira, Maciel	5	6	6	5	17
				Wyatt, William George	3	0	0	3	0	Garcia Sergio, Francisco	1	0	0	0	0
				Palubinskas, Edward S.	4	0	1	2	16	Garcia Rubens, Helio	5	0	1	2	12
				Kerle, Brian Edward	5	0	0	2	0	Leite Abdalla, Marcos A.	4	6	6	10	18
				Byrne, Peter Lawrence	5	2	0	3	2	dos Santos, José Aparecido	3	0	2	0	2
				Crosswhite, Perry Rothrock	2	2	2	7	21	Menon, Luiz Claudio	2	0	0	1	0
				Tomlinson, Raymond John	0	0	0	0	0	Nascimento, Adilson	4	2	0	5	12
R	Muchamedzjanow, G.	URS		James, Kenneth Robert	4	2	1	2	13	Simoes, José Edivar	0	0	0	0	0
R	Leegwater, Pieter J. C.	HOL		Bender, Thomas Erwin	0	0	0	0	0	de Castro, José Geraldo	0	0	0	0	0
				Koltuniewicz, Anatoli	4	2	2	0	9	Massoni, Carlos Domingos	2	0	0	1	0
2. 9.			EGY – TCH	EGY	Fo	Fr	Ro	Rd	Pt	TCH	Fo	Fr	Ro	Rd	Pt
			64 : 94	Essam, Khaled M. Hussein	4	2	2	0	9	Novicky, Petr	1	2	4	2	12
			32 : 49	Talaat, M. Gurnidi M.	0	0	0	0	0	Dousa, Zdeněk	0	4	1	1	3
			32 : 45	Abdelhamid, A. Mobarak	0	0	0	0	0	Konopasek, Jiri	5	0	0	1	2
				Mohamed, Kamel A. Fathi	5	0	0	2	6	Pospšil, Jiri	2	0	0	2	6
				Tewfik, Elsayed Sayed	3	8	1	1	16	Kos, Zdeněk	3	2	5	2	13
				Abdelhamid, Elsayed A.	4	0	1	6	12	Balastik, Jiri	5	2	1	2	7
				Selim, Mohamed Aly I.	2	2	0	1	2	Zidek, Jiri	4	8	5	6	20
				Ibrahim, Ismail Adel	4	0	1	2	2	Zednicek, Jiri	3	4	3	3	7
				Fouad, A. Aboulkheir S.	3	2	1	3	13	Bobrovsky, Jan	1	2	1	1	2
R	Kasatikov, Victor	URS		Kamel, M. Elguamal Kamal	3	0	1	0	4	Brabenec, Kamil	4	0	0	3	12
R	Bestgen, Willy	GER		Abdelnabi, Awad Awad	4	0	1	1	0	Blazek, Jan	0	0	0	2	4
2. 9.			JPN – CUB	JPN	Fo	Fr	Ro	Rd	Pt	CUB	Fo	Fr	Ro	Rd	Pt
			63 : 108	Taniguchi, Masatomo	2	2	2	3	14	Domecq, Juan	3	2	4	2	13
			34 : 51	Sugita, Katsuhiko	1	0	1	0	0	Herrera, Ruperto	1	0	0	0	4
			29 : 57	Yokoyama, Kuniyuko	2	2	0	1	1	Roca, Juan	5	0	0	2	6
				Abe, Shigeaki	2	2	0	0	25	Chappe Garcia, Pedro	0	0	0	1	6
				Soda, Kenji	2	0	0	0	0	Alvarez, José Miguel	4	2	1	6	22
				Hattori, Nobuo	5	0	0	1	6	Canizares Poey, Rafael	0	0	0	2	6
				Yoshikawa, Mineo	2	2	0	0	5	Perez Armenteros, Conrado	3	0	1	6	12
				Sakai, Kazufumi	0	0	0	0	0	Calderon Gomez, Miguel	2	0	0	0	12
				Chigusa, Nobuo	1	2	0	0	0	Herrera, Tomas	1	2	0	0	5
				Mori, Satoshi	2	0	1	1	4	Varona, Oscar	1	4	0	5	6
R	Dimou, Konstantin	GRE		Somatomo, Atsushi	4	0	1	0	6	Urgelles, Alejandro	0	0	1	4	10
R	Jaksic, Dragas	YUG		Numata, Hirohumi	5	0	0	4	2	Standard, Franklin	1	0	2	3	6
2. 9.			ESP – USA	ESP	Fo	Fr	Ro	Rd	Pt	USA	Fo	Fr	Ro	Rd	Pt
			56 : 72	Brabender, Wayne	0	0	0	0	0	Davis, Kenneth	0	0	0	0	0
			30 : 31	Ramos Cecilio, Vicente	0	0	0	0	0	Collins, Douglas	1	2	0	0	7
			26 : 41	Cabrera, Carmelo	1	0	0	2	4	Henderson, Thomas	1	0	0	2	10
				Margall Touer, Enrique	1	0	0	1	0	Bantom, Michael	4	4	5	2	11
				Santillana, Luis Miguel	3	0	3	3	14	Jones, Robert	1	2	0	0	2
				Iradier, Jesus	5	2	0	3	9	Jones, Dwight	4	0	1	3	6
				Buscato Durlau, Francisco	0	0	0	0	0	Forbes, James	2	0	3	2	6
				Corbalan, Juan Antonio	0	0	0	1	0	Brewer, James	2	0	3	3	8
				Rullan, Rafael	1	0	2	4	14	Burleson, Tommy	0	0	0	0	0
				Luyk Diem, Clifford	0	0	0	0	0	McMillen, Thomas	5	0	6	0	10
R	Arabadjan, Artenik	BUL		Estrada, Miguel Angel	2	2	1	1	7	Joyce, Kevin	2	0	1	0	6
R	Ilagan, Fidencio	PHI		Sagui–Vela, Gonzalo	1	6	0	1	8	Ratleff, Ed	1	0	2	2	6
3. 9.			JPN – USA	JPN	Fo	Fr	Ro	Rd	Pt	USA	Fo	Fr	Ro	Rd	Pt
			33 : 99	Taniguchi, Masatomo	0	0	0	0	0	Davis, Kenneth	0	0	1	0	2
			18 : 51	Sugita, Katsuhiko	0	0	0	0	0	Collins, Douglas	1	4	0	0	10
			15 : 48	Yokoyama, Kuniyuko	4	2	0	0	4	Henderson, Thomas	3	2	0	4	10
				Abe, Shigeaki	4	4	3	1	5	Bantom, Michael	3	2	1	3	18
				Soda, Kenji	0	0	0	0	0	Jones, Robert	0	0	3	2	10
				Hattori, Nobuo	4	0	2	0	8	Jones, Dwight	2	4	2	7	14
				Yoshikawa, Mineo	4	0	0	1	4	Forbes, James	1	2	0	2	0
				Sakai, Kazufumi	0	0	0	0	0	Brewer, James	0	4	2	1	10
				Chigusa, Nobuo	3	0	0	1	0	Burleson, Tommy	2	2	0	1	5
				Mori, Satoshi	3	4	1	2	9	McMillen, Thomas	1	4	1	7	14
R	Muchamedzjanow, G.	URS		Somatomo, Atsushi	5	0	0	1	0	Joyce, Kevin	2	0	0	2	4
R	Anheuser, Rudolf	GER		Numata, Hirohumi	5	4	3	1	3	Ratleff, Ed	2	0	0	2	2



Éliminatoire, groupe A
Preliminary round, group A
Vorrunde, Gruppe A



3.9.			ESP – TCH	ESP	Fo	Fr	Ro	Rd	Pt	TCH	Fo	Fr	Ro	Rd	Pt
			70 : 74	Brabender, Wayne	3	4	1	2	12	Novicky, Petr	5	2	8	4	9
				Ramos Cecilio, Vicente	3	0	0	0	0	Dousa, Zdeněk	0	0	0	0	0
			39 : 44	Cabrera, Carmelo	2	0	0	1	2	Konopeseck, Jifi	1	0	0	0	0
			31 : 30	Margall Toulér, Enrique	4	0	0	2	4	Pospisil, Jifi	0	4	1	1	9
				Santillana, Luis Miguel	3	0	1	4	12	Kos, Zdeněk	2	0	0	0	0
				Iradier, Jesus	0	0	1	0	0	Balastik, Jifi	4	2	0	1	4
				Buscato Durlau, Francisco	0	0	0	1	6	Zidek, Jifi	3	10	2	5	28
				Corbalan, Juan Antonio	0	0	0	0	0	Zedniček, Jifi	1	2	2	1	8
				Rullan, Rafael	3	0	1	0	4	Bobrovsky, Jan	4	2	0	3	14
				Luyk Diem, Clifford	1	8	6	5	17	Brabenec, Kamil	1	0	0	1	2
R	Jaksic, Dragas	YUG		Estrada, Miguel Angel	0	0	0	0	0	Blazek, Jan	0	0	0	0	0
R	Jarzebinski, Jan	POL		Sagui-Vela, Gonzalo	4	4	1	2	13	Ruzicka, Jifi	0	0	0	0	0
3.9.			AUS – EGY	AUS	Fo	Fr	Ro	Rd	Pt	EGY	Fo	Fr	Ro	Rd	Pt
			89 : 66	Marsland, Glenn Maynard	5	4	1	0	5	Essam, Khaled M, Hussein	2	0	2	0	2
				Watson, Ian Broughton	1	0	0	1	6	Talaat, M, Gurnidi, M.	0	0	0	0	0
			44 : 24	Duke, Richard John David	1	4	0	3	3	Abdelhamid, A. Mobarak	0	0	0	0	0
			45 : 42	Wyatt, William George	1	0	1	0	12	Mohamed, Kamel A. Fathi	2	2	1	0	5
				Palubinskas, Edward S.	2	2	0	4	16	Tewfik, Elsayed Sayed	2	8	0	3	13
				Kerle, Brian Edward	3	0	3	7	6	Abdelhamid, Elsayharty A.	2	4	4	3	11
				Byrne, Peter Lawrence	4	0	0	4	0	Selim, Mohamed Aly I.	4	2	1	0	12
				Crosswhite, Perry Rothrock	1	4	0	4	17	Ibrahim, Ismail Adel	3	2	0	0	0
				Tomlinson, Raymond John	0	0	0	0	0	Fouad, A. Aboulkheir S.	1	0	0	2	6
				James, Kenneth Robert	1	2	2	0	14	Kamel, M. Elguamal Kamal	2	2	1	4	3
R	Otero Torres, Osvaldo	PUR		Bender, Thomas Erwin	3	0	3	1	8	Abdelnabi, Awad Awad	2	0	3	6	14
R	Bianchi, Francesco	ITA		Koltuniewicz, Anatoli	2	0	0	4	2						
3.9.			CUB – BRA	CUB	Fo	Fr	Ro	Rd	Pt	BRA	Fo	Fr	Ro	Rd	Pt
			64 : 63	Domecq, Juan	1	0	0	0	0	Washington, Joseph	3	0	0	1	4
				Herrera, Ruperto	3	4	4	8	8	Gorauskas, Radvilas K. G.	0	0	0	0	0
			30 : 39	Roca, Juan	0	0	0	0	0	Ubiratan Pereira, Maciel	4	0	7	7	10
			34 : 24	Chappe Garcia, Pedro	4	8	4	3	22	Garcia Sergio, Francisco	0	0	0	0	0
				Alvarez, José Miguel	0	0	0	0	0	Garcia Rubens, Helio	3	2	0	2	15
				Canizares Poey, Rafael	2	4	0	1	0	Leite Abdalla, Marcos A.	4	2	9	8	11
				Perez Armenteros, Conrado	0	0	0	0	2	dos Santos, José Aparecido	2	0	1	0	0
				Calderon Gomez, Miguel	2	4	0	1	10	Menon, Luiz Claudio	4	0	0	1	8
				Herrera, Tomas	5	0	0	0	4	Nascimento, Adilson	5	2	1	4	13
				Varona, Oscar	0	0	0	0	0	Simoes, José Edivar	0	0	0	0	0
R	Kassai, Ervin	HUN		Urgelles, Alejandro	2	2	6	3	18	de Castro, José Geraldo	0	0	0	0	0
R	Rae, Allen Gordon	CAN		Standard, Franklin	0	0	0	0	0	Massoni, Carlos Domingos	4	0	0	0	2



Éliminatoire, groupe B
Preliminary round, group B
Vorrunde, Gruppe B



27.8.			POL – PHI	POL	Fo	Fr	Ro	Rd	Pt	PHI	Fo	Fr	Ro	Rd	Pt
			90 : 75	Pasiorowski, Andrzej	0	0	0	0	0	Ocampo, Edgardo	3	2	0	0	3
				Korcz, Grzegorz	4	4	2	3	7	Melencio, Rogelio	5	0	0	1	6
			33 : 46	Dolczewski, Jan	3	0	1	2	12	Mariano, Jaime	5	0	2	4	16
			57 : 29	Niemiec, Franciszek	3	0	2	2	4	Florencio, Danilo	2	6	0	0	10
				Seweryn, Andrzej	4	2	3	1	20	Bernardo, Narciso	0	0	0	0	0
				Kozak, Waldemar	1	0	0	0	0	Samson, Marte	4	2	0	2	5
				Kasprzak, Andrzej	4	4	2	7	20	Papa, Adriano	3	2	0	1	6
				Cegliński, Janusz	2	2	3	2	3	Adornado, William	5	0	2	1	2
				Lopatka, Mieczysław	4	2	0	7	14	Martínez, Rosalio	0	2	2	2	1
				Białowas, Ryszard	1	0	0	0	2	Paner, Manuel	4	2	3	4	14
R	Bain, James C.	USA		Durejko, Eugeniusz	5	2	2	3	8	Webb, Freddie	2	2	0	0	4
R	Holden, Ernest John	AUS		Langosz, Piotr	0	0	0	2	0	Cleofas, Ricardo	2	4	1	0	8
27.8.			YUG – ITA	YUG	Fo	Fr	Ro	Rd	Pt	ITA	Fo	Fr	Ro	Rd	Pt
			85 : 78	Tvrdic, Ratko	2	0	0	0	2	Flaborea, Ottorino	1	0	2	0	0
				Simonovic, Ljubodrag	3	0	1	0	6	Brumatti, Giuseppe	2	0	1	0	4
				Jelovac, Vinko	5	2	4	5	12	Giomo, Giorgio	0	0	0	0	2
			43 : 38	Knezevic, Zarko	1	4	2	4	4	Cerioni, Mauro	5	0	0	0	6
			42 : 40	Damnjanovic, Miroljub	0	0	0	0	0	Masini, Massimo	5	0	2	2	2
				Kapičić, Dragan	4	2	2	2	11	Bariviera, Renzo	5	0	2	0	4
				Georgijevski, Blagoja	0	0	0	0	0	Zanatta, Marino	5	4	2	1	5
				Cosic, Kresimir	3	14	3	7	28	Meneghin, Dino	5	4	2	7	13
				Solman, Damir	1	2	1	1	1	Marzorati, Pier Luigi	5	0	0	1	16
				Plečas, Nikola	3	4	2	1	11	Serafini, Luigi	4	2	0	6	10
R	Righetto, Renato	BRA		Cermak, Dragutin	4	6	0	1	8	Bisson, Ivan	5	0	1	0	12
R	Novotny, Vladimir	TCH		Marovic, Milun	0	0	1	0	2	Jellini, Giulio	3	0	0	1	4
27.8.			SEN – URS	SEN	ho	Fr	Ro	Rd	Pt	URS	Fo	Fr	Ro	Rd	Pt
			52 : 94	Diandy, Joseph	1	0	0	0	0	Polivoda, Anatoli	5	4	3	1	6
				Diop, Papa Malick	3	0	0	2	6	Paulauskas, Modestas	0	4	2	2	10
			23 : 50	Fall, Cheikh Amadou	3	0	1	0	0	Sakandelidze, Zurab	1	0	0	2	8
			29 : 44	Camara, Doudou Leydi	3	4	0	3	5	Sharmukhamedov, Aishan	0	0	2	4	2
				Sagna, Pierre Martin	1	0	2	2	6	Boloshev, Aleksander	5	0	1	2	2
				N'Diaye, Abdourahmane	2	2	0	2	3	Edeshko, Ivan	2	0	0	0	4
				Lopis, Sylvestre	1	0	3	1	6	Belov, Sergei	0	6	0	3	12
				Diop, Mohamadou Moustapha	2	0	1	0	0	Korkia, Miha	5	0	0	0	8
				Seck, Babacar	3	2	2	3	13	Dvorní, Ivan	4	4	3	9	14
				Gueye, Alioone Badara	1	4	1	2	6	Volnov, Gennadi	2	4	0	2	12
R	Garcia, Angel	ESP		Thiam, Assane	4	2	2	4	6	Belov, Aleksander	4	0	0	1	14
R	Quintero Padron, Mario	CUB		Traora, Babacar	3	2	0	0	1	Kovalenko, Sergei	0	0	1	2	2
27.8.			GER – PUR	GER	Fo	Fr	Ro	Rd	Pt	PUR	Fo	Fr	Ro	Rd	Pt
			74 : 81	Uhlig, Helmut	0	0	0	0	0	Coll, Miguel	3	2	1	3	6
				Weinand, Klaus	4	0	0	3	2	Hatton, Joe	2	2	1	0	9
			35 : 41	Kuprella, Dieter	3	0	0	3	4	Rivera, Neftali	3	8	0	0	29
			39 : 40	Ampt, Karl	0	0	0	0	0	Thordsen, James	0	0	0	0	0
				Krüger, Hans-Jörg	3	2	1	3	1	Rodríguez, Ruben	5	0	1	2	4
				Pethran, Rainer	3	0	3	1	6	Baum, Eric William	2	0	0	0	2
				Pollex, Joachim	3	0	1	0	6	Blondet, Hector	2	0	1	2	8
				Linnemann, Joachim	0	0	0	0	0	Brown, Earl	0	0	0	0	0
				Geschwindner, Hölger	4	8	0	1	26	Ortiz, Mariano	1	0	0	0	4
				Wohlers, Jürgen	4	0	1	0	8	Cruz, Teofilo	3	10	1	9	12
R	Richardson, Hugh Brown	THA		Keller, Dietrich	2	2	3	5	4	Dalmau, Raymond	3	4	0	3	7
R	Dimou, Konstantin	GRE		Thimm, Norbert	5	2	5	3	17	Calzada, Ricardo	0	0	0	0	0
28.8.			SEN – ITA	SEN	Fo	Fr	Ro	Rd	Pt	ITA	Fo	Fr	Ro	Rd	Pt
			56 : 92	Diandy, Joseph	0	0	0	0	0	Flaborea, Ottorino	1	2	1	2	8
				Diop, Papa Malick	1	0	0	0	0	Brumatti, Giuseppe	3	4	0	2	14
			28 : 47	Fall, Cheikh Amadou	4	0	0	0	2	Giomo, Giorgio	1	4	1	2	8
			28 : 45	Camara, Doudou Leydi	2	0	0	0	0	Cerioni, Mauro	2	0	0	1	0
				Sagna, Pierre Martin	3	2	1	2	18	Masini, Massimo	0	2	0	2	6
				N'Diaye, Abdourahmane	2	4	1	0	9	Bariviera, Renzo	1	2	3	4	18
				Lopis, Sylvestre	2	0	2	0	4	Zanatta, Marino	3	0	0	2	8
				Diop, Mohamadou Moustapha	1	0	0	0	2	Meneghin, Dino	3	4	1	4	5
				Seck, Babacar	3	2	4	2	6	Marzorati, Pier Luigi	1	4	0	1	7
				Gueye, Alioone Badara	5	2	0	1	0	Serafini, Luigi	1	0	0	8	2
R	Arabadjan, Artenik	BUL		Thiam, Assane	1	4	4	8	13	Bisson, Ivan	1	0	1	5	6
R	El Moubaiad, El-Sayed	EGY		Traore, Babacar	3	0	2	1	2	Jellini, Giulio	1	0	0	3	10



Éliminatoire, groupe B
Preliminary round, group B
Vorrunde, Gruppe B



28.8.			GER – URS	GER	Fo	Fr	Ro	Rd	Pt	URS	Fo	Fr	Ro	Rd	Pt
			63 : 87	Uhlig, Helmut	0	0	0	0	0	Polivoda, Anatoli	4	6	0	3	7
				Weinand, Klaus	4	0	0	0	0	Paulauskas, Modestas	2	4	0	0	8
			33 : 41	Kuprella, Dieter	2	0	1	1	4	Sakandelidze, Zurab	2	0	0	0	6
			30 : 46	Ampt, Karl	4	2	0	1	10	Sharmukhamedov, Alshan	1	2	4	3	9
				Krüger, Hans-Jörg	5	0	0	0	2	Boloshev, Aleksander	4	2	0	0	4
				Pethran, Rainer	1	2	0	1	2	Edeshko, Ivan	1	0	0	0	8
				Pollex, Joachim	3	0	0	0	8	Belov, Sergei	2	2	0	0	15
				Linnemann, Joachim	1	2	0	0	4	Korkia, Mihail	5	0	0	0	2
				Geschwindner, Holger	2	2	1	0	6	Dvorni, Ivan	2	4	0	2	4
R	Rae, Allen Gordon	CAN		Wohlers, Jürgen	4	2	0	0	7	Volnov, Gennadi	4	2	1	2	6
R	Holden, Ernest John	AUS		Keller, Dietrich	3	2	0	3	10	Belov, Aleksander	4	4	0	3	10
				Thimm, Norbert	4	4	1	3	10	Kovalenko, Sergei	3	0	1	1	8
28.8.			PUR – PHI	PUR	Fo	Fr	Ro	Rd	Pt	PHI	Fo	Fr	Ro	Rd	Pt
			92 : 72	Coll, Miguel	4	10	5	2	18	Ocampo, Edgardo	5	0	1	0	2
				Hatton, Joe	1	0	1	1	6	Melencio, Rogelio	5	4	1	1	7
			49 : 40	Rivera, Neftali	4	8	0	1	14	Mariano, Jaime	5	4	2	5	7
			43 : 32	Thordsen, James	2	0	2	3	6	Florencio, Danilo	3	6	0	1	23
				Rodriguez, Ruben	5	2	4	13	9	Bernardo, Narciso	3	0	0	0	4
				Baum, Eric William	4	4	0	4	8	Samson, Marte	2	2	3	3	2
				Blondet, Hector	1	0	3	2	16	Papa, Adriano	0	0	0	0	6
				Brown, Earl	0	0	0	1	0	Adornado, William	2	0	4	1	2
				Ortiz, Mariano	4	4	0	0	7	Martirez, Rosalio	4	0	0	0	6
R	Gelsomini, Oswaldo	BRA		Cruz,Teofilo	4	0	0	0	4	Paner, Manuel	5	0	3	2	2
R	Takishima, Yukio	JPN		Dalmau, Raymond	4	2	1	4	4	Webb, Freddie	4	4	3	3	7
				Calzada, Ricardo	0	0	1	0	0	Cleofas, Ricardo	3	0	0	0	4
28.8.			POL – YUG	POL	Ho	Fr	Ro	Rd	Pt	YUG	Fo	Fr	Ro	Rd	Pt
			64 : 85	Pasiorowski, Andrzej	5	0	2	1	12	Tvrdic, Ratko	3	0	0	4	4
				Korc, Grzegorz	4	0	0	0	4	Simonovic, Ljubodrag	2	2	4	2	11
			28 : 36	Dolczewski, Jan	2	0	1	2	6	Jelovac, Vinko	2	4	3	4	12
			36 : 49	Niemiec, Franciszek	4	4	0	0	5	Knezevic, Zarko	4	4	3	3	11
				Seweryn, Andrzej	0	0	1	0	8	Damnjanovic, Miroljub	2	0	0	0	2
				Kozak, Waldemar	4	4	1	1	4	Kapicic, Dragan	1	0	0	2	8
				Kasprzak, Andrzej	2	2	0	4	7	Georgijevski, Blagoja	3	2	0	0	2
				Ceglinski, Janusz	0	0	0	0	0	Cosic, Kresimir	3	2	4	6	20
				Lopatka, Mieczyslaw	1	0	0	0	2	Solman, Damir	4	2	1	4	4
				Bialowas, Ryszard	1	0	0	0	2	Plecas, Nikola	3	2	0	1	3
R	Servidio, Naz	USA		Durejko, Eugeniusz	5	4	2	4	12	Cermak, Dragutin	1	0	1	0	8
R	Dimou, Konstantin	GRE		Langosz, Piotr	5	0	0	1	2	Marovic, Milun	5	0	3	4	0
29.8.			SEN – POL	SEN	Fo	Fr	Ro	Rd	Pt	POL	Fo	Fr	Ro	Rd	Pt
			59 : 95	Diandy, Joseph	0	0	0	0	0	Pasiorowski, Andrzej	0	2	0	2	3
				Diop, Papa Malick	0	0	0	0	0	Korc, Grzegorz	1	2	1	1	8
			25 : 49	Fall, Cheikh Amadou	1	2	1	0	2	Dolczewski, Jan	3	0	2	4	6
			34 : 46	Camara, Doudou Leydi	1	2	2	0	7	Niemiec, Franciszek	1	0	4	1	8
				Sagna, Pierre Martin	2	2	3	3	9	Seweryn, Andrzej	3	0	2	4	12
				N'Diaye, Abdourahmane	4	0	0	3	4	Kozak, Waldemar	4	4	1	3	3
				Lopis, Sylvestre	4	0	0	4	0	Kasprzak, Andrzej	1	0	4	5	18
				Diop, Mohamadou Moustapha	4	4	3	0	7	Ceglinski, Janusz	2	2	1	3	7
				Seck, Babacar	3	0	3	3	10	Lopatka, Mieczyslaw	2	2	1	0	6
				Gueye, Alioone Badara	3	6	4	1	10	Bialowas, Ryszard	3	0	0	0	6
R	Bain, James C.	USA		Thiam, Assane	1	0	2	2	2	Durejko, Eugeniusz	0	2	1	2	14
R	Takishima, Yukio	JPN		Traore, Babacar	2	0	3	2	8	Langosz, Piotr	3	2	2	4	4
29.8.			URS – ITA	URS	Fo	Fr	Ro	Rd	Pt	ITA	Fo	Fr	Ro	Rd	Pt
			79 : 66	Polivoda, Anatoli	5	2	0	2	4	Flaborea, Ottorino	2	2	2	1	3
				Paulauskas, Modestas	3	4	1	7	17	Brumatti, Giuseppe	3	2	2	0	11
			41 : 28	Sakandelidze, Zurab	4	0	0	0	4	Giomo, Giorgio	0	0	0	0	0
			38 : 38	Sharmukhamedov, Alshan	2	6	4	7	22	Cerioni, Mauro	0	2	1	2	8
				Boloshev, Aleksander	5	0	3	0	2	Masini, Massimo	5	0	1	3	6
				Edeshko, Ivan	3	0	0	4	8	Bariviera, Renzo	4	0	4	0	8
				Belov, Sergei	2	2	0	1	10	Zanatta, Marino	3	2	2	0	3
				Korkia, Mihail	2	0	1	4	0	Meneghin, Dino	5	0	4	6	10
				Dvorni, Ivan	1	0	0	0	4	Marzorati, Pier Luigi	0	0	0	0	2
				Volnov, Gennadi	0	0	1	0	2	Serafini, Luigi	5	2	0	2	2
R	Kassai, Ervin	HUN		Belov, Aleksander	5	8	1	2	6	Bisson, Ivan	5	2	1	0	6
R	Dimou, Konstantin	GRE		Kovalenko, Sergei	1	0	0	1	0	Jellini, Giulio	0	4	0	1	7



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29.8.			PUR – YUG	PUR	Fo	Fr	Ro	Rd	Pt	YUG	Fo	Fr	Ro	Rd	Pt
			79 : 74	Coll, Miguel	1	2	0	1	8	Tvrdic, Ratko	1	4	0	0	10
				Hatton, Joe	0	0	0	0	0	Simonovic, Ljubodrag	2	0	0	1	10
			38 : 31	Rivera, Neftali	4	0	2	2	12	Jelovac, Vinko	3	2	1	9	18
			41 : 43	Thordsen, James	0	0	2	1	0	Knezevic, Zarko	2	0	0	0	0
				Rodriguez, Ruben	2	2	3	7	14	Damnjanovic, Miroljub	0	0	0	0	0
				Baum, Eric William	0	0	0	0	0	Kapicic Dragan	3	4	1	1	14
				Blondet, Hector	5	2	3	0	12	Georgijevski, Blagoja	0	0	0	0	0
				Brown, Earl	0	0	0	0	0	Cosic, Kresimir	4	0	7	9	16
				Ortiz, Mariano	4	0	0	3	8	Solman, Damir	1	0	1	1	0
				Cruz, Teofilo	3	4	1	11	16	Plecas, Nikola	5	0	1	0	4
R	Rae, Allen Gordon	CAN		Dalmau, Raymond	4	2	1	5	7	Cermak, Dragutin	3	0	0	2	0
R	Arabadjan, Artenik	BUL		Calzada, Ricardo	0	0	0	0	2	Marovic, Milun	0	0	0	2	2
29.8.			GER – PHI	GER	Fo	Fr	Ro	Rd	Pt	PHI	Fo	Fr	Ro	Rd	Pt
			93 : 74	Uhlig, Helmut	3	2	0	0	6	Ocampo, Edgardo	5	0	0	0	0
				Weinand, Klaus	4	2	1	5	4	Melencio, Rogelio	2	8	2	0	10
			46 : 34	Kuprella, Dieter	2	6	0	1	4	Mariano, Jaime	5	6	0	2	13
			47 : 40	Ampt, Karl	5	2	1	0	9	Florencio, Danilo	2	6	0	0	11
				Krüger, Hans-Jörg	0	0	0	0	0	Bernardo, Narciso	0	0	0	0	0
				Pethran, Rainer	1	2	2	1	12	Samson, Marte	5	2	0	0	4
				Pollex, Joachim	3	2	0	0	8	Papa, Adriano	0	0	0	0	0
				Linnemann, Joachim	4	4	3	3	4	Adornado, William	1	2	0	1	0
				Geschwindner, Holger	5	0	2	0	22	Martirez, Rosalio	4	2	1	1	13
				Wohlers, Jürgen	5	4	1	1	5	Paner, Manuel	5	2	0	2	7
R	Righetto, Renato	BRA		Keller, Dietrich	2	0	0	1	0	Webb, Freddie	5	2	0	0	10
R	Novotny, Vladimir	TCH		Thimm, Norbert	5	4	4	11	19	Cleofas, Ricardo	3	4	2	0	6
30.8.			URS – POL	URS	Fo	Fr	Ro	Rd	Pt	POL	Fo	Fr	Ro	Rd	Pt
			94 : 64	Polivoda, Anatoli	3	0	1	4	4	Pasiorowski, Andrzej	3	2	1	0	2
				Paulauskas, Modestas	0	2	1	1	10	Korcz, Grzegorz	0	0	1	1	10
			50 : 23	Sakandelidze, Zurab	1	0	0	0	0	Dolczewski, Jan	0	0	1	3	0
			44 : 41	Sharmukhamedov, Alshan	0	0	0	2	4	Niemiec, Franciszek	1	0	1	0	4
				Boloshev, Aleksander	5	2	1	4	10	Seweryn, Andrzej	4	0	0	0	8
				Edeshko, Ivan	1	0	0	2	8	Kozak, Waldemar	1	2	3	5	10
				Belov, Sergei	1	2	0	2	16	Kasprzak, Andrzej	4	2	0	1	4
				Korkia, Mihail	0	2	1	2	6	Ceglinski, Janusz	4	4	2	2	10
				Dvorni, Ivan	4	0	2	2	10	Lopatka, Mieczyslaw	0	0	0	0	0
				Volnov, Gennadi	5	0	1	1	12	Bialowas, Ryszard	0	0	0	0	0
R	Righetto, Renato	BRA		Belov, Aleksander	2	2	0	5	12	Durejko, Eugeniusz	4	4	1	3	7
R	El Moubaiad, El-Sayed	EGY		Kovalenko, Sergei	1	2	1	1	2	Langosz, Piotr	0	2	1	4	9
30.8.			GER – ITA	GER	Fo	Fr	Ho	Rd	Pt	ITA	Fo	Fr	Ro	Rd	Pt
			57 : 68	Uhlig, Helmut	3	0	2	0	0	Flaborea, Ottorino	2	0	0	2	2
				Weinand, Klaus	2	2	0	0	3	Brumatti, Giuseppe	3	0	1	1	2
			24 : 35	Kuprella, Dieter	1	0	0	0	2	Giomo, Giorgio	0	0	0	0	0
			33 : 33	Ampt, Karl	4	4	0	1	6	Cerioni, Mauro	5	0	0	0	4
				Krüger, Hans-Jörg	3	2	3	1	8	Masini, Massimo	1	2	0	3	2
				Pethran, Rainer	2	0	0	0	2	Bariviera, Renzo	4	4	4	3	11
				Pollex, Joachim	1	0	1	0	0	Zanatta, Marino	0	0	0	0	0
				Linnemann, Joachim	2	0	0	2	2	Meneghin, Dino	3	2	9	4	12
				Geschwindner, Holger	4	6	0	3	18	Marzorati, Pier Luigi	0	0	0	0	0
				Wohlers, Jürgen	5	4	1	3	12	Serafini, Luigi	0	0	0	2	2
				Keller, Dietrich	0	0	0	0	0	Bisson, Ivan	4	2	1	8	14
R	Gelsomini, Oswaldo	BRA		Thimm, Norbert	4	0	2	8	4	Jellini, Giulio	2	4	0	4	19
R	Bain, James C.	USA													
30.8.			PHI – YUG	PHI	Fo	Fr	Ro	Rd	Pt	YUG	Fo	Fr	Ro	Rd	Pt
			76 : 117	Ocampo, Edgardo	3	0	0	0	2	Tvrdic, Ratko	3	0	0	2	6
				Melencio, Rogelio	3	0	0	1	12	Simonovic, Ljubodrag	2	0	1	2	20
			33 : 58	Mariano, Jaime	4	2	2	1	14	Jelovac, Vinko	3	6	3	1	15
			43 : 59	Florencio, Danilo	2	6	3	3	16	Knezevic, Zarko	2	0	2	4	12
				Bernardo, Narciso	2	0	0	0	8	Damnjanovic, Miroljub	3	2	1	1	7
				Samson, Marte	4	0	0	2	6	Kapicic, Dragan	4	0	1	4	12
				Papa, Adriano	0	4	0	0	7	Georgijevski, Blagoja	1	0	0	0	2
				Adornado, William	0	2	0	0	1	Cosio, Kresimir	0	0	0	0	0
				Martirez, Rosalio	4	0	3	0	6	Solman, Damir	2	2	1	3	9
				Paner, Manuel	1	0	0	1	2	Plecas, Nikola	1	2	1	2	6
R	Leegwater, Pieter J. C.	HOL		Webb, Freddie	2	0	0	1	2	Cermak, Dragutin	1	0	0	0	6
R	Quintero Padron, Mario	CUB		Cleofas, Ricardo	3	0	0	1	0	Marovic, Milun	5	6	7	13	22



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30.8.			PUR – SEN	PUR	Fo	Fr	Ro	Rd	Pt	SEN	Fo	Fr	Ro	Rd	Pt
			92 : 57	Coll, Miguel	2	2	1	5	10	Diandy, Joseph	0	0	0	0	0
				Hatton, Joe	0	0	0	0	0	Diop, Papa Malick	4	0	0	1	0
			39 : 28	Rivera, Neftali	2	2	1	0	10	Fall, Cheikh Amadou	0	0	0	0	6
			53 : 29	Thordsen, James	0	8	8	3	8	Camara, Doudou Leydi	1	0	1	0	4
				Rodriguez, Ruben	1	0	0	17	4	Sagna, Pierre Martin	4	0	0	1	8
				Baum, Eric William	3	4	2	2	12	N'Diaye, Abdourahmane	2	0	1	1	8
				Blondet, Hector	0	0	1	1	16	Lopis, Sylvestre	2	2	0	0	3
				Brown, Earl	4	0	1	0	0	Diop, Mohamadou Moustapha	3	0	0	0	2
				Ortiz, Mariano	1	0	0	2	4	Seek, Babacar	4	0	2	0	18
				Cruz, Teofilo	1	0	1	4	6	Gueye, Alioone Badara	3	0	2	3	4
R	Takishima, Yukio	JPN		Dalmau, Raymond	3	0	2	3	20	Thiam, Assane	2	2	2	3	4
R	Holden, Ernest John	AUS		Calzada, Ricardo	1	2	0	0	2	Traore, Babacar	3	0	0	1	0
1.9.			SEN – PHI	SEN	Fo	Fr	Ro	Rd	Pt	PHI	Fo	Fr	Ro	Rd	Pt
			62 : 68	Diandy, Joseph	0	0	0	0	0	Ocampo, Edgardo	4	0	0	0	8
				Oiop, Papa Malick	4	0	1	0	4	Melencio, Rogelio	4	2	0	1	3
			30 : 39	Fall, Cheikh Amadou	0	0	0	0	0	Mariano, Jaime	5	2	3	1	16
			32 : 29	Camara, Doudou Leydi	3	0	0	1	2	Florencio, Danilo	2	2	0	0	7
				Sagna, Pierre Martin	4	2	1	5	9	Bernardo, Narciso	0	0	0	0	0
				N'Diaye, Abdourahmane	4	4	2	2	2	Samson, Marte	3	2	0	3	4
				Lopis, Sylvestre	4	0	0	2	16	Papa, Adriano	2	0	0	1	6
				Diop, Mohamadou Moustapha	1	0	0	1	2	Adornado, William	0	0	0	0	0
				Seek, Babacar	4	8	1	5	14	Martirez, Rosalio	5	0	0	0	6
				Gueye, Alioone Badara	3	0	0	4	2	Paner, Manuel	4	8	3	4	14
R	Servidio, Naz	USA		Thiam, Assane	5	2	2	0	9	Webb, Freddie	2	2	0	2	4
R	Garcia, Angel	ESP		Traore, Babacar	1	0	2	2	2	Cleofas, Ricardo	0	0	0	0	0
1.9.			GER – YUG	GER	Fo	Fr	Ro	Rd	Pt	YUG	Fo	Fr	Ro	Rd	Pt
			56 : 81	Uhlig, Helmut	0	0	0	0	0	Tvrdic, Ratko	3	0	0	0	12
				Weinand, Klaus	3	2	2	5	8	Simonovic, Ljubodrag	0	0	0	0	0
			21 : 43	Kuprella, Dieter	2	0	0	0	2	Jelovac, Vinko	1	2	1	7	12
			35 : 38	Ampt, Karl	4	0	0	1	8	Knezevie, Zarko	2	6	4	3	6
				Krüger, Hans-Jörg	5	0	2	5	4	Damnjanovic, Miroljub	1	0	0	0	2
				Pétrhan, Rainer	5	2	0	2	6	Kapicic, Dragan	3	0	1	4	10
				Pollex, Joachim	1	2	0	0	2	Georgijevski, Blagoja	1	4	0	0	3
				Linnemann, Joachim	5	2	0	7	8	Cosic, KreSimir	1	2	2	1	11
				Geschwindner, Holger	3	4	1	0	7	Solman, Damir	2	4	0	4	10
				Wohlers, Jürgen	3	2	1	1	4	Pleetas, Nikola	1	2	1	2	4
R	Richardson, Hugh Brown	THA		Keller, Dietrich	0	0	0	0	0	Cermak, Dragutin	3	2	0	2	9
R	Takishima, Yukio	JPN		Thimm, Norbert	2	2	1	4	7	Marovic, Milun	2	0	4	1	2
1.9.			ITA – POL	ITA	Fo	Fr	Ro	Rd	Pt	POL	Fo	Fr	Ro	Rd	Pt
			71 : 59	Flaborea, Ottorino	0	2	1	0	4	Pasiorowski, Andrzej	4	0	1	3	0
				Brumatti, Giuseppe	1	0	0	0	0	Korcz, Grzegorz	1	0	0	0	2
			37 : 31	Giomo, Giorgio	0	0	0	0	0	Dolczewski, Jan	5	0	0	3	14
			34 : 28	Cerioni, Mauro	2	4	0	2	13	Niemiec, Franciszek	3	0	1	0	4
				Masini, Massimo	2	2	1	5	14	Seweryn, Andrzej	5	2	0	3	1
				Bariviera, Renzo	4	0	0	3	2	Kozak, Waldemar	0	0	0	0	0
				Zanatta, Marino	5	2	2	3	4	Kasprzak, Andrzej	4	4	1	2	10
				Meneghin, Dino	5	2	1	5	7	Cegliriski, Janusz	5	6	2	3	9
				Marzorati, Pier Luigi	1	4	1	1	6	Lopatka, Mieczyslaw	1	2	0	0	1
				Serafini, Luigi	1	0	0	1	0	Bialowas, Ryszard	1	0	0	1	2
R	Arabadjan, Artenik	BUL		Bisson, Ivan	2	4	1	9	15	Durejko, Eugeniusz	4	4	6	8	12
R	Leegwater, Pieter J. C.	HOL		Jellini, Giulio	4	2	0	2	6	Langosz, Piotr	2	0	0	2	4
1.9.			URS – PUR	URS	Fo	Fr	Ro	Rd	Pt	PUR	Fo	Fr	Ro	Rd	Pt
			100 : 87	Polivoda, Anatoli	2	6	0	4	20	Coll, Miguel	4	2	0	1	8
				Paulauskas, Modestas	5	4	0	2	12	Hatton, Joe	5	2	0	0	1
			48 : 37	Sakandelidze, Zurab	4	0	1	2	2	Rivera, Neftali	3	2	0	0	11
			52 : 50	Sharmukhamedov, Aishan	1	0	0	2	6	Thordsen, James	5	0	1	0	0
				Boloshev, Aleksander	5	0	0	0	2	Rodriguez, Ruben	5	6	1	0	8
				Edeshko, Ivan	5	0	1	3	4	Baum, Eric William	5	2	1	1	6
				Belov, Sergei	1	2	0	1	9	Blondet, Hector	3	4	2	1	26
				Korkia, Mihail	5	6	0	1	8	Brown, Earl	0	0	0	0	0
				Dvorni, Ivan	1	0	0	0	0	Ortiz, Mariano	4	0	1	3	4
				Volnov, Gennadi	5	0	0	0	0	Cruz, Teofilo	5	4	1	2	5
R	Gelsomini, Oswaldo	BRA		Belov, Aleksander	3	8	5	7	37	Dalmau, Raymond	4	2	3	2	18
R	Jarzebinski, Jan	POL		Kovalenko, Sergei	0	0	0	0	0	Calzada, Ricardo	0	0	0	0	0



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2.9.			YUG – SEN	YUG	Fo	Fr	Ro	Rd	Pt	SEN	Fo	Fr	Ro	Rd	Pt
			73 : 67	Tvrdic, Ratko	1	0	0	1	0	Diandy, Joseph	0	0	0	0	0
				Simonovic, Ljubodrag	1	0	0	0	0	Diop, Papa Malick	2	0	1	2	6
			31 : 31	Jelovac, Vinko	1	0	1	4	12	Fall, Cheikh Amadou	0	0	0	0	0
			42 : 26	Knezevic, Zarko	2	2	0	4	10	Camara, Doudou Leydi	3	0	0	1	8
				Damnjanovic, Miroljub	1	2	0	1	2	Sagna, Pierre Martin	3	6	1	3	16
				Kapicic, Dragan	3	0	0	5	4	N'Diaye, Abdourahmane	3	2	0	3	6
				Georgijevski, Blagoja	2	0	1	0	0	Lopis, Sylvestre	4	0	2	1	2
				Cosic, Kresimir	3	4	2	2	8	Diop, Mohamadou Moustapha	0	0	0	0	2
				Solman, Damir	2	2	0	7	12	Seck, Babacar	5	2	1	0	2
				Plecas, Nikola	2	2	0	2	6	Gueye, Alioone Badara	3	4	1	6	11
R	Gelsomini, Oswaldo	BRA		Cermak, Dragutin	4	4	1	4	17	Thiam, Assane	4	0	2	3	0
R	El Moubaiad, El-Sayed	EGY		Marovic, Milun	4	2	2	3	2	Traore, Babacar	3	0	0	2	4
2.9.			GER – POL	GER	Fo	Fr	Ro	Rd	Pt	POL	Fo	Fr	Ro	Rd	Pt
			67 : 65	Uhlig, Helmut	4	2	0	0	6	Pasiorowski, Andrzej	0	0	0	0	0
				Weinand, Klaus	2	0	0	0	2	Korcz, Grzegorz	3	0	0	3	6
			40 : 37	Kuprella, Dieter	2	0	0	2	2	Dolczewski, Jan	4	0	0	1	2
			27 : 28	Ampt, Karl	2	2	0	0	2	Niemiec, Franciszek	2	0	0	0	0
				Krüger, Hans-Jörg	4	8	4	8	14	Seweryn, Andrzej	3	2	0	0	4
				Pethran, Rainer	0	0	0	0	0	Kozak, Waldemar	4	4	2	1	6
				Pollex, Joachim	0	0	0	0	0	Kasprzak, Andrzej	4	0	2	4	18
				Linnemann, Joachim	0	0	0	0	0	Ceglinski, Janusz	1	4	3	1	10
				Geschwindner, Holger	2	4	2	3	10	Lopatka, Mieczyslaw	4	4	5	1	13
				Wohlens, Jürgen	5	0	1	2	10	Bialowas, Ryszard	1	0	0	1	0
R	Bain, James, C.	USA		Keller, Dietrich	0	0	0	0	0	Durejko, Eugeniusz	4	4	1	7	6
R	Novotny, Vladimir	TCH		Thimm, Norbert	4	2	5	6	21	Langosz, Piotr	0	0	0	0	0
2.9.			PHI – URS	PHI	Fo	Fr	Ro	Rd	Pt	URS	Fo	Fr	Ro	Rd	Pt
			80 : 111	Ocampo, Edgardo	4	0	1	0	4	Polivoda, Anatoli	4	2	2	6	22
				Melencio, Rogelio	3	0	0	0	4	Paulauskas, Modestas	2	4	2	7	19
			40 : 57	Mariano, Jaime	4	0	1	1	10	Sakandelidze, Zurab	0	2	1	2	10
			40 : 54	Florencio, Danilo	3	12	4	0	16	Sharmukhamedov, Aishan	0	0	0	0	0
				Bernardo, Narciso	3	4	1	0	12	Boloshev, Aleksander	4	2	1	7	8
				Samson, Marte	0	0	2	0	2	Edeshko, Ivan	5	4	1	2	9
				Papa, Adriano	2	2	0	0	10	Belov, Sergei	2	0	1	2	6
				Adornado, William	3	0	1	0	4	Korkia, Mihail	5	4	3	2	13
				Martirez, Rosalio	4	2	3	1	4	Dvorni, Ivan	5	2	0	1	7
				Paner, Manuel	4	4	2	2	8	Volnov, Gennadi	5	2	0	1	11
R	Quintero Padron, Mario	CUB		Webb, Freddie	3	2	0	3	4	Belov, Aleksander	0	0	0	0	0
R	Holden, Ernest John	AUS		Cleofas, Ricardo	0	0	0	0	2	Kovalenko, Sergei	2	0	2	2	6
2.9.			ITA – PUR	ITA	Fo	Fr	Ro	Rd	Pt	PUR	Fo	Fr	Ro	Rd	Pt
			71 : 54	Flaborea, Ottorino	0	0	0	0	0	Coll, Miguel	2	0	0	2	4
				Brumatti, Giuseppe	4	4	0	2	8	Hatton, Joe	3	6	0	1	7
			37 : 27	Giomo, Giorgio	0	0	0	0	0	Rivera, Neftali	0	0	0	0	0
			34 : 27	Cerioni, Mauro	3	0	0	1	14	Thordsen, James	2	0	1	0	2
				Masini, Massimo	3	0	0	2	0	Rodriguez, Ruben	2	2	0	2	6
				Bariviera, Renzo	1	0	2	3	0	Baum, Eric William	3	0	0	1	0
				Zanatta, Marino	3	2	0	2	7	Blondet, Hector	4	8	2	2	14
				Meneghin, Dino	5	2	3	6	12	Brown, Earl	0	0	0	0	0
				Marzorati, Pier Luigi	3	8	1	0	18	Ortiz, Mariano	5	0	0	0	10
				Serafini, Luigi	0	0	0	0	0	Cruz, Teofilo	3	4	0	5	5
				Bisson, Ivan	3	0	5	6	4	Dalmau, Raymond	2	0	0	2	4
R	Richardson, Hugh Brown	THA		Jellini, Giulio	0	2	0	1	8	Calzada, Ricardo	3	0	0	0	2
R	Kassai, Ervin	HUN													
3.9.			ITA – PHI	ITA	Fo	Fr	Ro	Rd	Pt	PHI	Fo	Fr	Ro	Rd	Pt
			101 : 81	Flaborea, Ottorino	1	2	3	6	7	Ocampo, Edgardo	4	0	0	1	0
				Brumatti, Giuseppe	0	0	0	0	0	Melencio, Rogelio	5	0	0	2	8
			44 : 35	Giomo, Giorgio	4	2	1	3	29	Mariano, Jaime	5	0	0	2	16
			57 : 46	Cerioni, Mauro	2	0	1	0	0	Florencio, Danilo	4	2	1	0	14
				Masini, Massimo	0	0	0	0	0	Bernardo, Narciso	0	2	1	0	1
				Bariviera, Renzo	0	0	1	0	0	Samson, Marte	3	0	0	0	2
				Zanatta, Marino	5	0	0	2	4	Papa, Adriano	0	8	0	0	19
				Meneghin, Dino	2	6	3	8	23	Adornado, William	0	0	0	0	0
				Marzorati, Pier Luigi	3	2	2	0	12	Martirez, Rosalio	4	0	3	0	4
				Serafini, Luigi	0	0	0	0	0	Paner, Manuel	0	0	0	2	8
R	Bain, James C.	USA		Bisson, Ivan	3	4	7	5	26	Webb, Freddie	3	4	0	1	9
R	Garcia, Angel	ESP		Jellini, Giulio	0	0	0	0	0	Cleofas, Ricardo	0	0	0	0	0



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3. 9.			POL – PUR	POL	Fo	Fr	Ro	Rd	Pt	PUR	Fo	Fr	Ro	Rd	Pt
			83 : 85	Pasiorowski, Andrzej	0	0	0	4	2	Coll, Miguel	1	0	1	1	0
			47 : 54	Korcz, Grzegorz	4	2	0	1	6	Hatton, Joe	2	4	2	2	8
			36 : 31	Dolczewski, Jan	3	4	0	0	12	Rivera, Neftali	0	0	0	0	0
				Niemiec, Franciszek	5	0	1	0	6	Thordsen, James	3	2	0	0	3
				Seweryn, Andrzej	1	0	1	2	6	Rodriguez, Ruben	4	4	3	5	14
				Kozak, Waldemar	4	4	1	3	20	Baum, Eric William	2	0	0	2	8
				Kasprzak, Andrzej	0	0	0	0	0	Blondet, Hector	3	4	2	2	16
				Ceglirski, Janusz	5	6	0	4	5	Brown, Earl	3	0	2	2	4
				Lopatka, Mieczyslaw	3	0	0	0	4	Ortiz, Mariano	4	0	0	4	6
R	Gelsomini, Oswaldo	BRA		Bialowas, Ryszard	0	0	0	0	0	Cruz, Teofilo	5	2	2	3	8
R	Takishima, Yukio	JPN		Durejko, Eugeniusz	3	0	1	3	6	Dalmay, Raymond	4	4	7	6	18
				Langosz, Piotr	2	4	0	2	16	Calzada, Ricardo	1	0	0	0	0
3.9.			YUG – URS	YUG	Fo	Fr	Ro	Rd	Pt	URS	Fo	Fr	Ro	Rd	Pt
			67 : 74	Tvrdic, Ratko	3	0	0	1	2	Polivoda, Anatoli	5	2	0	2	10
			34 : 38	Simonovic, Ljubodrag	3	0	0	1	0	Paulauskas, Modestas	1	2	0	3	10
			33 : 36	Jelovac, Vinko	5	2	1	2	9	Sakandelidze, Zurab	1	0	0	1	0
				Knezevic, Zarko	3	4	3	0	11	Sharmukhamedov, Alshan	3	0	0	4	8
				Damnjanovic, Mirosljub	0	0	0	0	0	Boloshev, Aleksander	5	2	1	1	2
				Kapicic, Dragan	3	0	1	0	8	Edeshko, Ivan	1	0	0	1	2
				Georgijevski, Blagoja	0	0	0	0	0	Belov, Sergei	3	2	0	2	22
				Cosic, Kresimir	4	2	2	5	21	Korkia, Mihail	1	0	0	1	4
				Solman, Damir	3	0	0	0	2	Dvornii, Ivan	3	0	2	1	2
				Plecas, Nikola	5	0	0	1	8	Volnov, Gennadi	0	0	0	0	0
R	Righetto, Renato	BRA		Cermak, Dragutin	3	4	0	1	6	Belov, Aleksander	4	6	2	0	14
R	Dimou, Konstantin	GRE		Marovic, Milun	0	0	0	0	0	Kovalenko, Sergei	5	0	1	3	0
3. 9.			GER – SEN	GER	Fo	Fr	Ro	Rd	Pt	SEN	Fo	Fr	Ro	Rd	Pt
			72 : 62	Uhlig, Helmut	4	0	0	0	4	Diandy, Joseph	0	0	0	0	0
			42 : 34	Weinand, Klaus	2	0	0	0	2	Diop, Papa Malick	2	0	0	1	0
			30 : 28	Kuprella, Dieter	4	0	0	1	2	Fall, Cheikhamadou	0	0	0	0	0
				Ampt, Karl	2	0	0	1	0	Camara, Doudou Leydi	1	0	1	0	6
				Krüger, Hans-Jörg	0	2	1	3	5	Sagna, Pierremartin	4	4	0	3	7
				Pethran, Rainer	0	4	0	2	5	N'Diaye, Abdourahmane	2	0	0	0	2
				Pollex, Joachim	1	4	0	1	4	Lopez, Sylvestre	1	2	0	1	5
				Linnemann, Joachim	0	0	0	0	2	Diop, Mohamadou Moustapha	0	0	0	0	0
				Geschwindner, Holger	2	0	0	5	8	Seck, Babacar	2	8	2	2	14
				Wohlers, Jürgen	3	0	0	2	14	Gueye, Alioune Badara	3	0	2	3	8
R	Servidio, Naz	USA		Keller, Dietrich	0	0	0	0	0	Thiam, Assane	4	0	1	4	16
R	Quintero Padron, Mario	CUB		Thimm, Norbert	3	6	1	5	26	Traore, Babacar	1	0	0	1	4



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5. 9.		GER – AUS	GER	Fo	Fr	Ro	Rd	Pt	AUS	Fo	Fr	Ro	Rd	Pt
		69 : 70	Uhlig, Helmut	2	0	1	1	4	Marsland, Glenn Maynard	0	0	0	0	0
			Weinand, Klaus	2	0	1	0	2	Watson, Ian Broughton	3	0	0	2	0
		46 : 34	Kuprella, Dieter	3	0	0	0	2	Duke, Richard John David	3	2	1	3	4
		23 : 36	Ampt, Karl	5	0	0	1	8	Wyatt, William George	1	2	0	1	5
			Krüger, Hans-Jörg	2	2	0	3	4	Palubinskas, Edward S.	5	8	2	2	28
			Pethran, Rainer	1	0	0	0	2	Kerle, Brian Edward	4	0	5	8	8
			Pollex, Joachim	3	2	1	2	10	Byrne, Peter Lawrence	2	0	0	1	0
			Linnemann, Joachim	0	0	0	0	0	Crosswhite, Perry Rothrock	4	0	1	4	12
			Geschwindner, Holger	3	2	6	2	14	Tomlinson, Raymond John	0	0	0	0	0
			Wohlers, Jürgen	3	4	1	1	1	James, Kenneth Robert	0	6	2	7	11
R	Bain, James C.	USA	Keller, Dietrich	0	0	0	1	0	Bender, Thomas Erwin	0	0	0	0	0
R	Leegwater, Pieter J. C.	HOL	Thimm, Norbert	2	2	4	8	22	Koltuniewicz, Anatoli	0	0	1	1	2
6. 9.		JPN – SEN	JPN	Fo	Fr	Ro	Rd	Pt	SEN	Fo	Fr	Ro	Rd	Pt
		70 : 67	Taniguchi, Masatomo	0	2	1	3	34	Diandy, Joseph	0	0	0	0	0
			Sugita, Katsuhiko	0	0	0	0	0	Diop, Papa Malick	1	0	0	1	8
		34 : 39	Yokoyama, Kunihiro	0	2	0	1	3	Fall, Cheikhamadou	0	0	0	0	0
		36 : 28	Abe, Shigeaki	0	0	1	0	0	Camara, Doudou Leydi	2	0	0	0	0
			Soda, Kenji	1	0	0	0	0	Sagna, Pierremartin	4	4	2	2	13
			Hattori, Nobuo	4	0	2	4	2	N'Diaye, Abdourahmane	5	2	2	1	6
			Yoshikawa, Mineo	4	0	0	2	4	Lopez, Sylvestre	2	0	2	3	10
			Sakai, Kazufumi	0	0	0	0	2	Diop, Mohamadou Moustapha	1	0	1	2	4
			Chigusa, Nobuo	4	2	1	0	7	Seck, Babacar	4	2	1	2	14
			Mori, Satoshi	3	6	3	4	7	Gueye, Alioone Badara	0	0	0	0	0
R	Novotny, Vladimir	TCH	Somatomo, Atsushi	4	0	1	0	6	Thiam, Assane	3	0	2	6	12
R	Jarzebinski, Jan	POL	Numata, Hirohumi	3	2	2	6	5	Traore, Babacar	0	0	0	0	0
6. 9.		ESP – POL	ESP	Fo	Fr	Ro	Rd	Pt	POL	Fo	Fr	Ro	Rd	Pt
		76 : 87	Brabender, Wayne	4	6	1	4	12	Pasiorowski, Andrzej	1	0	1	3	4
			Ramos Cecilio, Vicente	3	0	0	2	0	Korcz, Grzegorz	2	2	1	3	8
		33 : 38	Cabrera, Carmelo	3	0	0	0	2	Dolczewski, Jan	5	2	1	2	13
		43 : 49	Margall Toulér, Enrique	2	0	1	6	6	Niemiec, Franciszek	2	0	0	0	0
			Santillana, Luis Miguel	5	0	3	3	10	Seweryn, Andrzej	2	4	0	2	19
			Iradier, Jesus	1	4	2	0	9	Kozak, Waldemar	5	0	4	1	10
			Buscato Durlan, Francisco	2	0	0	0	6	Kasprzak, Andrzej	0	0	0	0	0
			Corbalan, Juan Antonio	3	0	0	0	0	Ceglinski, Janusz	4	6	2	5	15
			Rullan, Rafael	0	0	0	0	0	Lopatka, Mieczyslaw	4	0	1	1	2
			Luyk Diem, Clifford	5	2	1	9	18	Bialowas, Ryszard	2	0	0	0	0
R	Righetto, Renato	BRA	Estrada, Miguel Angel	0	2	1	0	2	Durejko, Eugeniusz	5	2	2	4	10
R	Bestgen, Willy	GER	Sagui-Vela, Gonzalo	2	8	1	1	11	Langosz, Piotr	4	0	1	1	6
7. 9.		TCH – YUG	TCH	Fo	Fr	Ro	Rd	Pt	YUG	Fo	Fr	Ro	Rd	Pt
		63 : 66	Novicky, Petr	3	0	0	0	0	Tvrđić, Ratko	3	4	0	4	16
			Dousa, Zdeněk	2	2	0	4	1	Simonović, Ljubodrag	0	0	0	0	0
		25 : 34	Konopasek, Jiri	0	0	0	0	0	Jelovac, Vinko	4	4	3	9	11
		38 : 32	Pospisil, Jiri	1	2	0	1	13	Knezevic, Zarko	2	0	0	3	2
			Kos, Zdeněk	5	4	2	6	4	Damnjanović, Mirosljub	0	0	0	0	0
			Balastik, Jiri	5	2	0	4	10	Kapicic, Dragan	3	2	1	1	1
			Zideck, Jiri	2	2	1	7	18	Georgijevski, Blagoja	0	0	0	0	0
			Zednicek, Jiri	1	0	0	0	0	Cosic, Kresimir	2	4	0	6	9
			Bobrovsky, Jan	2	2	1	2	7	Solman, Damir	5	0	3	5	12
			Brabenec, Kamil	1	0	1	2	4	Plecas, Nikola	3	0	1	2	4
R	Bain, James C.	USA	Blazek, Jan	2	0	0	2	4	Cermak, Dragutin	2	4	1	1	10
R	Bestgen, Willy	GER	Ruzioka, Jiri	1	0	0	0	2	Marovic, Milun	1	4	1	1	1
7. 9.		URS – CUB	URS	Fo	Fr	Ro	Rd	Pt	CUB	Fo	Fr	Ro	Rd	Pt
		67 : 61	Polivoda, Anatoli	1	2	0	0	5	Domecq, Juan	5	2	2	1	3
			Paulauskas, Modestas	4	2	0	5	11	Herrera, Ruperto	5	2	2	0	9
		35 : 36	Sakandelidze, Zurab	1	0	0	0	0	Roca, Juan	1	0	0	0	0
		32 : 25	Sharmukhamedov, Aishan	4	2	1	4	15	Chappe Garcia, Pedro	4	0	4	3	20
			Boloshev, Aleksander	5	0	0	0	0	Alvarez, José Miguel	4	0	2	1	2
			Edeshko, Ivan	4	2	0	2	6	Canizares Poey, Rafael	3	4	0	2	12
			Belov, Sergei	1	2	0	2	16	Perez Armenteros, Conrado	0	0	0	0	0
			Korkia, Mihail	4	2	0	0	0	Calderon Gomez, Miguel	2	0	2	0	4
			Dvorni, Ivan	0	0	0	0	0	Herrera, Tomas	4	2	0	2	5
			Voinov, Gennadi	0	0	0	0	0	Varona, Oscar	2	0	1	0	0
R	Leegwater, Pieter J. C.	HOL	Belov, Aleksander	4	10	3	3	14	Urgelles, Alejandro	5	4	1	2	6
R	Takishima, Yukio	JPN	Kovalenko, Sergei	0	2	0	2	0	Standard, Franklin	1	0	1	0	0



7.9.			PUR – BRA	PUR	Fo	Fr	Ro	Rd	Pt	BRA	Fo	Fr	Ro	Rd	Pt
			87 : 83	Hatton, Joe	1	2	1	0	4	Washington, Joseph	3	0	0	0	0
				Rivera, Neftali	1	0	0	0	0	Gorauskas, Radvilas K. G.	0	0	0	0	0
			40 : 42	Thordsen, James	3	0	0	1	0	Ubiratan Pereira, Maciel	3	2	6	10	15
			47 : 41	Rodriguez, Ruben	1	0	2	5	14	Garcia Sergio, Francisco	3	0	0	0	0
				Baum, Eric William	1	0	0	3	4	Garcia Rubens, Helio	4	4	0	0	24
				Blondet, Hector	2	4	5	4	18	Leite Abdalla, Marcos A.	3	2	15	7	14
				Brown, Earl	0	0	0	0	0	dos Santos, José Aparecido	3	0	0	0	0
				Ortiz, Mariano	2	0	0	1	12	Menon, Luiz Claudio	3	2	2	2	16
				Cruz, Teofilo	4	0	2	4	16	Nascimento, Adilson	5	0	3	3	14
				Dalmau, Raymond	4	6	5	5	19	Simoes, José Edivar	0	0	0	0	0
R	Dimou, Konstantin	GRE		Calzada, Ricardo	0	0	0	0	0	de Castro, José Geraldo	1	0	0	2	0
R	Jarzebinski, Jan	POL								Massoni, Carlos Domingos	0	0	0	0	0
7.9.			ITA – USA	ITA	Fo	Fr	Ro	Rd	Pt	USA	Fo	Fr	Ro	Rd	Pt
			38 : 68	Flaborea, Ottorino	0	0	0	0	0	Davis, Kenneth	1	0	0	0	0
				Brumatti, Giuseppe	0	0	1	0	4	Collins, Douglas	4	4	0	4	8
			16 : 33	Giomo, Giorgio	1	0	0	1	2	Henderson, Thomas	3	0	0	1	10
			22 : 35	Cerioni, Mauro	2	4	0	1	5	Bantom, Michael	3	0	1	1	4
				Masini, Massimo	0	0	0	2	4	Jones, Robert	3	0	3	1	2
				Bariviera, Renzo	3	2	3	2	5	Jones, Dwight	2	0	2	5	8
				Zanatta, Marino	5	2	0	1	5	Forbes, James	4	0	3	3	14
				Meneghin, Dino	2	2	0	6	1	Brewer, James	2	6	3	5	6
				Marzorati, Pier Luigi	2	2	0	1	4	Burleson, Tommy	0	2	1	1	6
				Serafini, Luigi	2	0	0	2	0	McMillen, Thomas	1	2	1	1	6
R	Rae, Allen Gordon	CAN		Bisson, Ivan	4	0	0	3	6	Joyce, Kevin	2	0	0	0	2
R	Arabadjan, Artenik	BUL		Jellini, Giulio	1	0	0	0	2	Rattleff, Ed	4	0	0	3	2



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8.9.		PHI – JPN	PHI	Fo	Fr	Ro	Rd	Pt	JPN	Fo	Fr	Ro	Rd	Pt
		82 : 73	Ocampo, Edgardo	3	0	0	0	0	Taniguchi, Masatomo	2	6	0	0	26
			Melencio, Rogelio	3	2	0	2	4	Sugita, Katsuhiko	0	0	0	0	0
		34 : 38	Mariano, Jaime	3	2	4	7	19	Yokoyama, Kunihiko	2	0	1	1	2
		48 : 35	Florencio, Danilo	0	2	3	1	8	Abe, Shigeaki	2	4	0	1	21
			Bernardo, Narciso	0	0	0	0	0	Soda, Kenji	1	0	0	0	0
			Samson, Marte	2	0	0	0	0	Hattori, Nobuo	5	0	1	6	8
			Papa, Adriano	2	2	1	2	20	Yoshikawa, Mineo	4	0	1	2	0
			Adornado, William	3	2	0	1	15	Sakai, Kazufumi	2	0	1	0	2
			Martínez, Rosalío	4	0	3	2	6	Chigusa, Nobuo	0	0	0	0	0
			Paner, Manuel	4	2	1	7	8	Mori, Satoshi	3	2	0	1	3
R	Novotny, Vladimir	TCH	Webb, Freddie	3	0	0	2	2	Somatomo, Atsushi	4	2	3	1	6
R	Holden, Ernest John	AUS	Cleofas, Ricardo	0	0	0	0	0	Numata, Hirohumi	5	2	1	3	5
8.9.		GER – ESP	GER	Fo	Fr	Ro	Rd	Pt	ESP	Fo	Fr	Ro	Rd	Pt
		83 : 84	Uhlig, Helmut	4	4	1	2	10	Brabender, Wayne	3	6	3	3	14
			Weinand, Klaus	0	0	0	0	0	Ramos Cecilio, Vicente	4	2	0	0	2
		40 : 38	Kuprella, Dieter	0	0	0	0	0	Cabrera, Carmelo	1	0	0	0	0
		35 : 37	Ampt, Karl	4	2	1	0	7	Margall Toulér, Enrique	2	0	1	3	0
		8 : 9	Krüger, Hans-Jörg	4	0	1	3	6	Santillana, Luis Miguel	3	2	0	5	9
			Pethran, Rainer	4	4	4	3	9	Iradier, Jesus	0	0	0	0	0
			Pollex, Joachim	1	8	1	1	16	Buscato Durlan, Francisco	3	0	0	0	12
			Linnemann, Joachim	0	0	0	0	0	Corbalan, Juan Antonio	1	0	0	1	0
			Geschwindner, Holger	4	4	5	0	12	Rullan, Rafael	0	0	0	0	0
			Wohlers, Jürgen	4	2	2	5	6	Luyk Diem, Clifford	3	6	8	9	31
R	Muchamedzjanow, G.	URS	Keller, Dietrich	0	0	0	0	0	Estrada, Miguel Angel	3	4	1	1	8
R	Quintero Padron, Mario	CUB	Thimm, Norbert	4	2	5	7	17	Sagui-Vela, Gonzalo	3	0	0	1	8
8.9.		TCH – BRA	TCH	Fo	Fr	Ro	Rd	Pt	BRA	Fo	Fr	Ro	Rd	Pt
		69 : 87	Novicky, Petr	3	0	3	1	6	Washington, Joseph	4	4	2	4	20
			Dousa, Zdeněk	0	0	0	0	0	Gorauskas, Radvilas K. G.	0	0	0	0	0
		40 : 38	Konopásek, Jiri	0	0	0	0	0	Ubiraten Pereira, Maciel	3	0	3	7	12
		29 : 49	Pospisil, Jiri	2	2	1	2	12	Garcia Sergio, Francisco	3	2	1	0	14
			Kos, Zdeněk	4	4	5	1	7	Garcia Rubens, Helio	5	0	0	0	6
			BelaStfk, Jiri	5	6	1	3	8	Leite Abdalla, Marcos A.	4	10	4	4	15
			Zidek, Jiri	3	0	3	1	16	dos Santos, José Aparecido	0	0	0	0	0
			Zednicek, Jiri	2	0	0	0	0	Menon, Luiz Claudio	4	2	2	0	12
			Bobrovsky, Jan	2	8	5	2	10	Nascimento, Adilson	5	0	2	2	8
			Brabenec, Kamil	1	0	0	0	6	Simoes, José Edivar	0	0	0	0	0
R	Anheuser, Rudolf	GER	Blazek, Jan	3	0	0	1	4	de Castro, José Geraldo	0	0	0	0	0
R	Otero Torres, Osvaldo	PUR	Ruzicka, Jiri	0	0	0	0	0	Massoni, Carlos Domingos	0	0	0	0	0
8.9.		CUB – ITA	CUB	Fo	Fr	Ro	Rd	Pt	ITA	Fo	Fr	Ro	Rd	Pt
		66 : 65	Domecq, Juan	5	0	0	0	2	Flaborea, Ottorino	0	0	0	0	0
			Herrera, Ruperto	3	0	1	4	14	Brumatti, Giuseppe	0	0	0	0	0
		43 : 40	Roca, Juan	0	0	0	0	0	Giomo, Giorgio	0	0	0	0	0
		23 : 25	Chappe Garcia, Pedro	5	4	2	4	14	Cerioni, Mauro	0	0	1	2	8
			Alvarez, José Miguel	0	0	0	0	0	Masini, Massimo	0	0	0	1	0
			CanizaresPoey, Rafael	3	0	0	0	4	Bariviera, Renzo	4	0	0	0	16
			Perez Armenteros, Conrado	1	0	1	0	8	Zanatta, Marino	5	2	0	1	10
			Calderon Gomez, Miguel	1	4	0	2	6	Meneghin, Dino	5	6	2	3	14
			Herrera, Tomas	5	0	1	3	8	Marzorati, Pier Luigi	3	0	0	1	2
			Varona, Oscar	0	0	0	0	0	Serafini, Luigi	2	0	3	0	4
R	Jaksic, Dragas	YUG	Urgelles, Alejandro	0	0	2	3	10	Bisson, Ivan	1	2	4	2	7
R	Richardson, Hugh Brown	THA	Standard, Franklin	0	0	0	0	0	Jellini, Giulio	2	0	0	0	4
9.9.		AUS – POL	AUS	Fo	Fr	Ro	Rd	R	POL	Fo	Fr	Ro	Rd	Pt
		91 : 83	Marsland, Glenn Maynard	0	0	1	0	0	Pasiorowski, Andrzej	3	4	1	3	15
			Watson, Ian Broughton	0	0	0	1	2	Korcz, Grzegorz	4	4	1	1	11
		41 : 42	Duke, Richard John David	3	2	3	1	19	Dolczewski, Jan	4	4	1	1	7
		50 : 41	Wyatt, William George	2	0	0	0	8	Niemiec, Franciszek	0	0	0	0	0
			Palubinskas, Edward S.	3	6	1	2	24	Seweryn Andrzej	4	0	0	1	10
			Kerle, Brian Edward	4	0	2	5	10	Kozak, Waldemar	3	0	7	4	16
			Byrne, Peter Lawrence	4	2	2	2	3	Kasprzak, Andrzej	0	0	0	0	0
			Crosswhite, Perry Rothrock	2	2	4	7	10	Ceglinski, Janusz	5	2	6	3	14
			Tomlinson, Raymond John	0	2	0	0	4	Lopatka, Mieczyslaw	1	0	0	0	8
			James, Kenneth Robert	2	4	1	6	9	Bialowas, Ryszard	0	0	0	1	0
R	Bianchi, Francesco	ITA	Bender, Thomas Erwin	4	0	0	1	2	Durejko, Eugeniusz	5	0	2	5	2
R	Bestgen, Willy	GER	Koltuniewicz, Anatoli	1	0	0	0	0	Langosz, Piotr	1	0	0	3	0



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9. 9.		YUG – PUR	YUG	Fo	Fr	Ro	Rd	Pt	PUR	Fo	Fr	Ro	Rd	Pt
		86 : 70	Tvrdic, Ratko	4	0	1	0	16	Hatton, Joe	5	2	0	0	6
		40 : 42	Simonovic, Ljubodrag	0	0	0	0	0	Rivera, Neftali	4	4	1	0	4
		46 : 28	Jelovac, Vinko	4	2	4	7	20	Thordsen, James	1	0	0	1	0
			Knezevic, Zarko	0	0	0	0	0	Rodriguez, Ruben	2	0	0	1	6
			Damnjanovic, Miroljub	0	0	0	0	0	Baum, Eric William	2	0	0	3	2
			Kapičić, Dragan	4	6	1	4	11	Blondet, Hector	2	4	2	0	24
			Georgijevski, Blagoja	0	0	0	0	0	Brown, Earl	0	0	0	0	0
			Cosic, KreSimir	1	2	1	9	15	Ortiz, Mariano	2	0	0	0	6
			Solman, Damir	3	0	1	4	6	Cruz, Teofilo	3	6	2	6	13
			Plecas, Nikola	4	8	1	2	13	Dalmay, Raymond	3	2	0	2	9
R	Kassai, Ervin	HUN	Cermak, Dragutin	5	2	1	0	5	Calzada, Ricardo	0	0	0	0	0
R	Richardson, Hugh Brown	THA	Marovic, Milun	0	0	0	0	0						

9. 9.		URS – USA	URS	Fo	Fr	Ro	Rd	Pt	USA	Fo	Fr	Ro	Rd	Pt
		51 : 50	Polivoda, Anatoli	0	0	0	0	0	Davis, Kenneth	0	0	0	0	0
		26 : 21	Paulauskas, Modestas	3	4	1	1	3	Collins, Douglas	1	6	1	0	8
		25 : 29	Sakandelidze, Zurab	2	8	0	0	8	Henderson, Thomas	3	2	0	3	9
			Sharmukhamedov, Aishan	2	4	2	2	4	Bantom, Michael	5	2	6	3	2
			Boloshev, Aleksander	4	0	0	0	4	Jones, Robert	1	0	0	0	0
			Edeshko, Ivan	3	0	0	5	0	Jones, Dwight	3	4	1	4	6
			Belov, Sergei	3	6	1	1	20	Forbes, James	3	0	0	0	2
			Korkia, Mihail	2	2	2	2	4	Brewer, James	4	4	3	2	9
			Dvorni, Ivan	0	0	0	0	0	Burleson, Tommy	0	0	0	0	0
			Volnov, Gennadi	4	0	0	1	0	McMillen, Thomas	0	0	1	1	2
R	Righetto, Renato	BRA	Belov, Aleksander	2	4	2	6	8	Joyce, Kevin	3	0	0	1	6
R	Arabadjian, Artenik	BUL	Kovalenko, Sergei	0	0	0	0	0	Rattleff, Ed	3	0	1	2	6

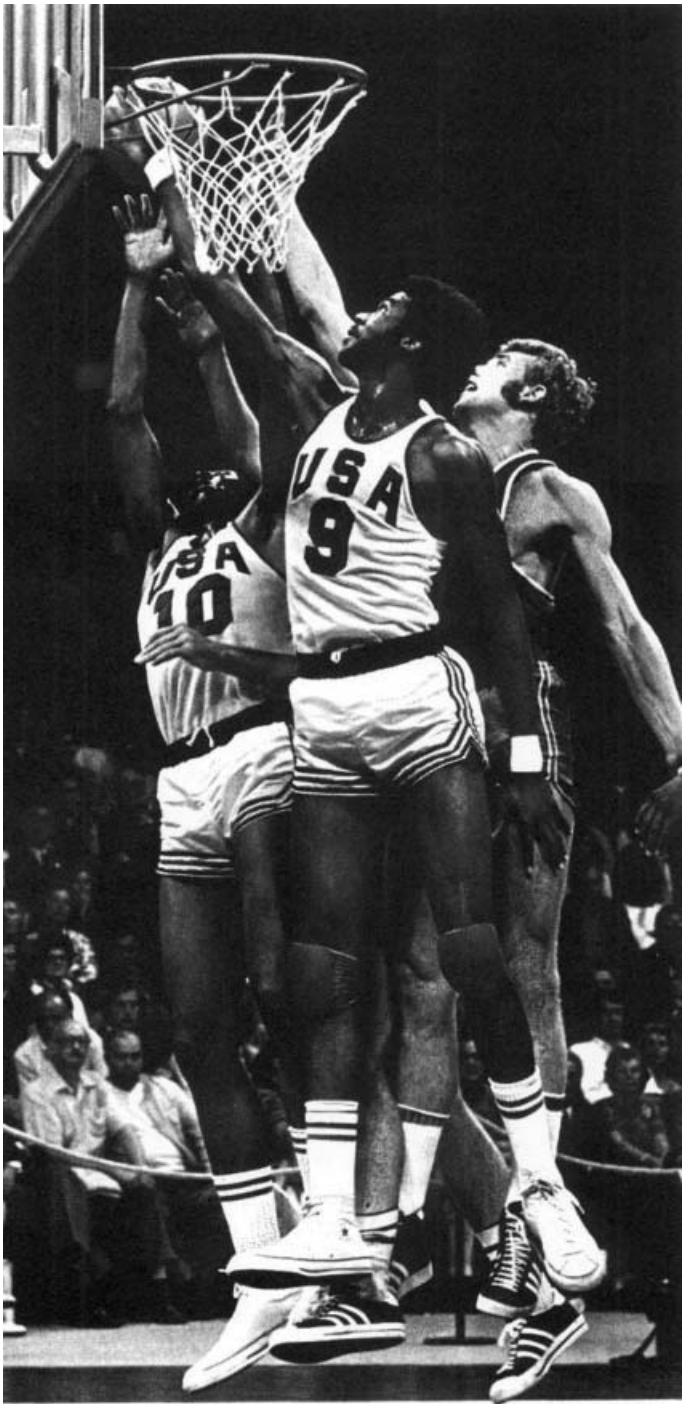


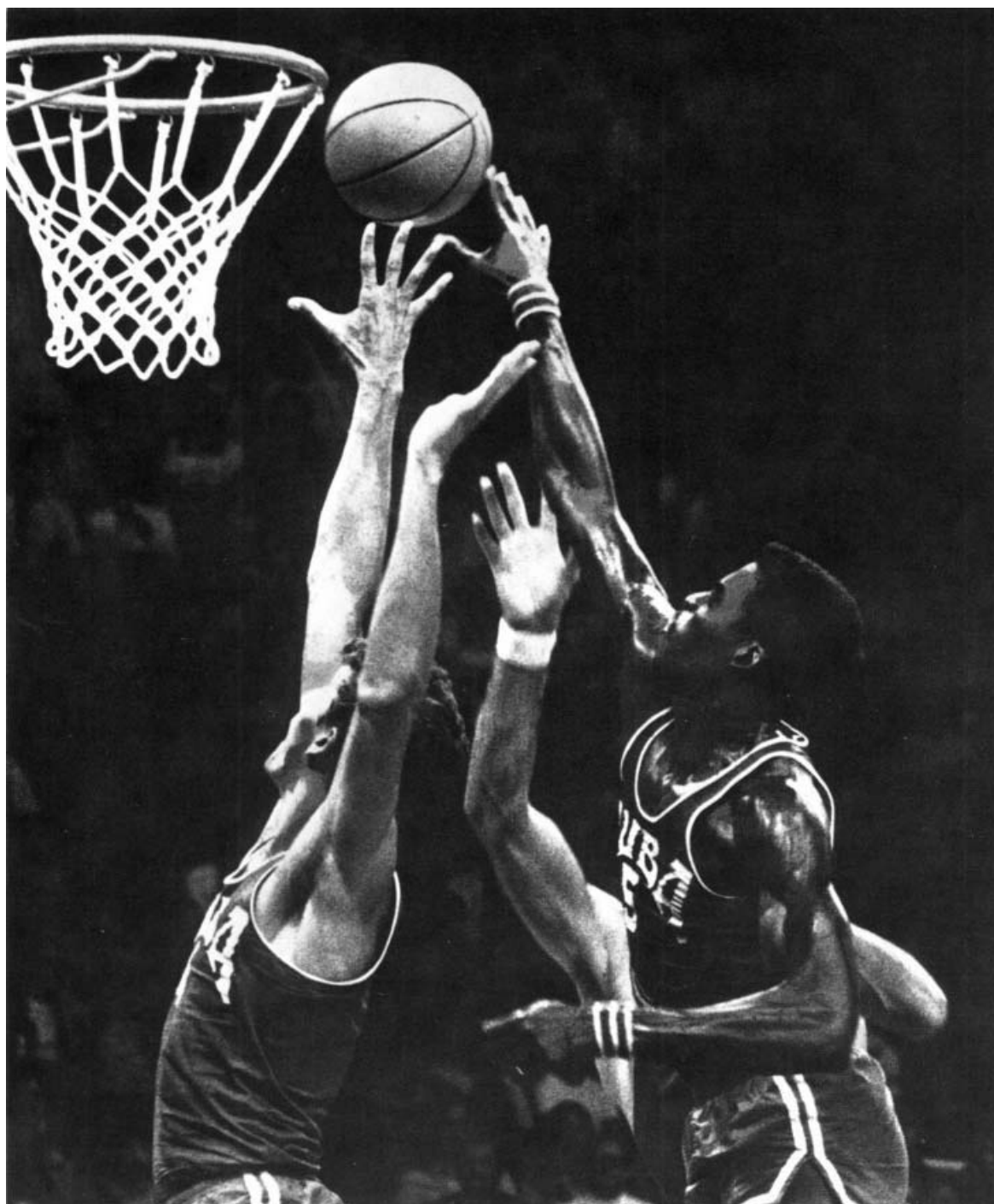
Éliminatoire Preliminary round Vorrunde	Groupe A Group Gruppe	Pt	B	JPN	USA	CUB	ESP	AUS	EGY	TCH	BRA
	USA	14	542:312	99:33		67:48	72:56	81:55	96:31	66:35	61:54
	CUB	13	560:445	108:63	48:67		74:53	84:70	105:64	77:65	64:63
	BRA	11	561:490	110:55	54:61	63:64	72:69	69:75	110:84	83:82	
	TCH	11	493:489	74:61	35:66	65:77	74:70	69:68	94:64		82:83
	ESP	10	486:500	87:76	56:72	53:74		79:74	72:58	70:74	69:72
	AUS	10	523:524	92:76	55:81	70:84	74:79		89:66	68:69	75:69
	JPN	8	442:643		33:99	63:108	76:87	76:92	78:73	61:74	55:110
	EGY	7	440:644	73:78	31:96	64:105	58:72	66:89		64:94	84:110
	Groupe B Group Gruppe	Pt	B	GER	SEN	POL	YUG	ITA	PHI	URS	PUR
	URS	14	639:479	87:63	94:52	94:64	74:67	79:66	111:80		100:87
	ITA	12	547:471	68:57	92:56	71:59	78:85		101:81	66:79	71:54
	YUG	12	582:484	81:56	73:57	85:64		85:78	117:76	67:74	74:79
	PUR	12	570:531	81:74	92:57	85:83	79:74	54:71	92:72	87:100	
	GER	10	482:518		72:62	67:65	56:81	57:68	93:74		74:81
	POL	9	520:536	65:67	95:79		64:85	59:71	90:75	64:94	83:85
	PHI	8	526:666	74:93	68:62	75:90	76:117	81:101		80:111	72:92
	SEN	7	405:586	62:72		59:95	57:73	56:92	62:68	52:94	57:92
Épreuve intermédiaire Semi-Final Zwischenrunde	ITA – USA		38:68								
	URS – CUB		67:61								
	TCH – YUG		63:66								
	PUR – BRA		87:83								
	ESP – POL		76:87								
	GER – AUS		69:70								
	JPN – SEN		70:67								
	<EGY> – PHI		0:2								
Finale Final Finale	URS – USA		51:50	1. URS		9. AUS					
	CUB – ITA		66:65	2. USA		10. POL					
	YUG – PUR		86:70	3. CUB		11. ESP					
	TCH – BRA		69:87	4. ITA		12. GER					
	AUS – POL		91:83	5. YUG		13. PHI					
	GER – ESP		83:84	6. PUR		14. JPN					
	PHI – JPN		82:73	7. BRA		15. SEN					
	<EGY> – SEN		0:2	8. TCH		16. EGY					

3 secondes ont suffi pour transformer le vaincu en vainqueur: les joueurs des Etats-Unis se réjouissaient déjà de leur victoire, lorsque le jury décida, en raison d'une erreur de chronométrage, de faire rejouer 3 secondes. Elle suffirent à Aleksander Belov, URS, pour marquer encore un panier. L'équipe soviétique avait gagné avec un point d'avance. Pour la première fois, le champion olympique n'était pas les USA.

It only needed 3 seconds to turn the losers into winners. The USA team was already celebrating its victory when the jury decided that, owing to a timing error, play was to be continued for 3 more seconds. This allowed Aleksander Belov, URS, to score another goal; the Russian team then won by one point. For the first time, the Olympic victory did not go to the USA.

3 Sekunden genügten, aus Besiegten Sieger zu machen: die Spieler aus USA feierten schon, als die Jury beschloß, wegen eines Fehlers bei der Zeitnahme 3 Sekunden nachzuspielen. Sie genügten Aleksander Belov, URS, um noch einen Korb zu werfen. Die Mannschaft aus URS hatte um einen Punkt gewonnen. Zum ersten Mal hieß der Olympiasieger nicht USA.

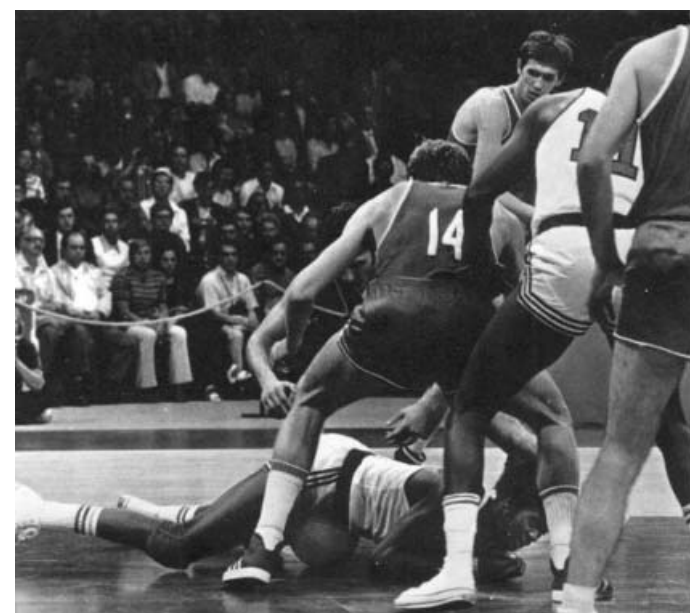




La lutte pour la 3ème place ne fut pas moins dramatique: là aussi, un point suffit à faire de Cuba le vainqueur. Le finish des Italiens vint trop tard. En haut: Rebond de Watsen, CUB. Toutes les autres photos montrent des scènes du match final entre les USA et le champion olympique soviétique.

The contest for the third place was hardly less dramatic; here it was also only one point that gave the Cuban team the victory. The Italians' final spurt came too late. Photo above: Watsen, CUB, throwing a rebound. All the other pictures show scenes from the match between the USA and the Olympic victor, URS.

Kaum weniger dramatisch verlief das Spiel um den dritten Platz: auch dort entschied nur ein Punkt für die Sieger aus Cuba. Der Endspurt der Italiener kam zu spät. Bild oben: Watsen, CUB, beim Rebound. Alle anderen Bilder zeigen Szenen aus dem Endspiel zwischen USA und Olympiasieger URS.



Les Officiels
The Officials
Die Offiziellen

AHO	Betrian, José Marcel Petit, Maurice Leon Rosberg van, Walter JMA	SAK	Szakall, Endre Talbot, Donald Tunstall, Arthur Tunstall, Peggy Uren, William Walsh, Bruce Walsh, Jack Wigley, Irma Wigley, Tom Willard, Marlene Wootton, Ronald	MW	Mewis, Maurice Mingels, Fernand Peeraer, Dirk Pirnay, Freddy Pirson, Lucien Roosij van, Frank Roy van, Lucienne Ten Haaf Theeuws, Rauol Vandemoere, Germain Vanden Eede, Adrien Vanden Eynde, Edmond Vandeput, Andre Vercammen, Antoine Verhalle, Andre Vingerhoet, René Wespin de, Adhemar Willain, Paul Zenne van, Guy	KAN	Kantchev, Milio Kharalampiev, Dimitre Kirilov, Ivan Kirkova, Raina Kostadinov, Nikola Krastev, Krasto Krastev,Yordan Kriviraltchev, Filip Magyar, Ferenz Marintchev, Petar Martinski, Trendafil Meranzov, Khristo Mizgov, Gheorghi Nadkov, Stefan Nikanorov, Boris Nikolov, Nikola Ouzounov, Yordan Pavlov, Gheorghi Petrov, Dinko Petrov, Petar Popova, Nina Robev, Sava Sabev, Savtcho Simov, Todor Sotirov, Ludmil Sotirov, Stoil Stoyanov, Petar Takov, Petar Tcholakov, Anghel Tepavitcharov, Slavtcho Todorov, Boris Todorov, Todor Valtchev, Eniu Vassilev, Atanass Vassiltchev, Kroum Veltchev, Veltcho Yuroukov, Grouyo
ALB	Mazreku, ZyhdI	SRB		BER	Benjamin, Randolph Fischer, Bernd Kempe,Charles Paerman, Wilfred Smith, Gray		
ALG	Amri, Hassen Benkara, Mabrouk Chahmana, Zine Kemal Hadjout, Abdelkrim Teissonnieres, Julien Zerguini, Mohamed	AUT	Bock, Therese Bradler, Walter Breitwieser, Wilhelm Bruell, Johann Derdak, Johann Ebner Dr., Hans Frauscher, Ernst Gerlach, Stephanie Haitzinger, Hannes Hilber, Emil Holzner, Harry Huber, Georg Huber, Peter Huck, Hansjürgen Kaspar, Josef Kessler, Hermine Klaban, Rudolf Klerings, Hermann Lerch Dr., Hermann Lesek, Walter Mauritz, Rainer Müller, Walter Penz, Manfred Pilsl Dr., Peter Pruski, Bernard Pultar Dr., Erich Reiterer, Johann Ritter, Peter Rössner, Fred Schark,Otmar Schattleitner, Fritz Schön, Emanuel Sika, Franz Sommer, Franz Spitz, Leopold Strasser, Erika Suckert Dr., Reinhard Tauchner, Josef Weczereck, Hugo Weghofer, Anton Zanetti Dr., Friedrich	BIR	Gwan, Shein Khin, Pe Gyi Sein, Hlaing Than, Win Tintso Trautmann, Carl Bert Tun, Nyein		
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	O'Connor, Peter	Giunta, Pietro	Obata, Yojiko	Nor, Mohamed	Yamaguchi, Tomoyoshi		
	Oflanagan, Kevin	Hofer, Max	Ohta, Mitsuo	Raja, Azlan Shah			
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	Spillane, Edward	Magni, Guiseppe	Saito, Masaru	Shaharuddin, Jaafar		Mashbat, Choisuren	
ISL	Storey, Gerald	Majoni, Mario	Sakaue, Katsumi	Sieh Kou, Chi		Olzot, Bumunden	
	Tamas, Ana	Manzin, Lucio	Sakurai, Noriyuki	Teh, Gin Sooi		Tserendagva, Otchir	
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		Marino, Mario	Sasano, Toshihiko	Velappan, P.	MLI	Cisse, Moussa	
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	Bayati, Mahmoud	Matlocha, Vit	Sugihara, Shoichiro	Zain, Azahari		Diallo, Mahamoudou Oury	
	Bayati, Mohamad	Matteucci, Ercole	Suzuki, Keizo			Koumare, Mamadou	
	Broumand, Manouchehr	Mekoni, Leonardo	Tabuchi, Kazuhiko	MAR	Allali, Hmida	Soumare, Papa Salif	
	Cirouspour, Parviz	Menichetti, Girolamo	Tajima, Naoto		Belfaïda,Azzouz		
	Fadaei, Mohamadreza	Milli, Angelo	Takahashi, Susumu		Belmejdoub, Mehdi	MON	Agliardi, Robert
ISR	Ghafari, Ali	Missiato, Michele	Takasugi, Koji		Benomar, Mhamdi		Durrieu, Edmond
	Ghiassian, Mohammed	Pagani, Giordano	Takazawa, Haruo		Boukhar, Hamid		Huseyin, Erknen
	Jalal, Rassouli	Pallavicino di Ceva, Carlo	Takemoto, Masao		Elaïssaoui, Hadjabdelhamid		Ravarino, Michel
	Mosaferi, Mozafar	Palombini, Rodolfo	Tsurumi, Shuti		Elofir, Hamid		
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	Portadji, Mohammad-Reza	Pellegrini, Giorgio	Watanabe, Masao		Hededud, Abdallah		Caldera, Marvin
	Rahimiha, Mansour	Perretti, Raffaele	Watanabe, Masashi		Ibrahimi, Brahim		Chow, Napoleon
		Pescante, Mario	Watanabe, Takashi		Kandrouch, Miloud		Hidvgi, Istvan
		Pignatti, Ermanno	Watanabe, Yukio		Larabi, Mohamed		Hidvgi, Nubia
		Poggi, Armando	Yamamoto, Koji		Letter, Ion		Morales, Gilberto
KEN	Polacci, Gaetano		Aish, Jeneby	Madani, Mustapha		Quintanilla, Edmundo	
	Porrini, Giuseppe		Alu, Mendonca	Mansour, Latifa	NEP	Battarai, Keshab Nath	
	Primo, Giancarlo		Bartonjo, Rotich	Mansour, Mohamed Lahrizi		Shah, Kumar Khadga Bickram	
	Rea, Natale		Cherotich, Lillian	Sabino, Barinaga		Shah, Laxman	
	Rimedio, Elio		Clarke,Arthur	Sefriqui, Hassan			
	Romei, Carlo		David, Muigai Wanjenga	Tahirritouti, Mohamed	NGR	Abegunde, David	
	Russo, Cono		Gethi, Benjimen		Abmayr, Walter		
	Saini, Mario		Hassan, Alahai Amiri	Emery, Max		Adebonojo, Badejo	
	Santilli, Giorgio		Kular, Harden Singh	Kambwiri, Adamson		Adefope, Henry	
	Sciaccaluga, Giuseppe		Morgan, Robert	Lakin, Harry Edgar		Adesina, Theophilus	
KHM	Stefanini, Aldo		Mukora, Charles	Nicholls, Michael		Affiong, Mayaki	
	Tavecchio, Bruno			Smith, Gordon		Efunkoya, Adegboyega	
	Tuccimei, Gustavo		Chheng, Chhay			Elueze, John	
	Usmiani, Umberto		Kim Ean, Aing			Enajekpo, Daniel	
	Vanicore, Lucia		Kim-Cheang, Lim			Hogan, Bassey	
	Vitis de, Franco		Mengmao, Chhouk			Jolaoso, Oyebola	
	Volpini, Arturo		Paing, Su			Joshua, Williams	
	Zocca, Michelini Anna		Savine, Chhin			Latif, Yusuff	
	Zucchi, Roby		Sreng, Loun			Ogunmakinde, John	
						Omolabi, Omotoso	
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	Reid, Nellie		Tielase, Bishop Austin				
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	Shervington, Keith		Bassoul, Colette				
	Vernon, Jacqueline		Choumane, Monir				
			Darricau, Guy				
	Anzai, Minoru		Hardan, Joseph				
	Aoki, Hanji		Kinj, Raouf				
	Chiba, Ginko		Nassar, Emile				
	Chosa, Hiroaki						
	Endu, Yukio		Hoch, Leo				
ITA	Eto, Kenji		Liechtenstein, Prinz Franz				
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	Furuhashi, Hironoshin		Meyerhans, Bruno				
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	Hayashi, Katsuya		Berchem, Fred				
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	Iguchi, Yukio		Hoffmann, André				
	Iizuka, Juro		Hoffmann, Jean-Pierre				
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	Izeki, Toshiyuki		Wirtz, Ferdy				
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	Koyama, Tsutomu						
	Koyanagi, Kiyoshi		Abdul, Jalil Bin Che Din				
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	Kurokawa, Kikuo		Ahmadzainalabidin				
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								TAN	Dusara, Savji
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Published by proSport GmbH & Co. KG. München Ed. Herbert Kunze

Creation Platform: Windows XP

Creation Date: August 2003

Conversion Software: Adobe Acrobat, FineReader, VistaScan, FahrenEX

Image Resolution: 150 dpi for color and grayscale images

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