

# Results through computer systems

## Calculations

The results of all competitions will be calculated on Texas Instruments computer terminals. These terminals are part of TI-Score, the System for Computerized Olympics Results and Events designed especially for the 1980 Winter Games. This computing network has been developed using the concept of distributed processing. The idea is to put computing power where it is needed rather than concentrate it in a central place. The terminals located at each venue are "intelligent" in that they can process data independently.

The programs that accept scores or times and calculate results were developed by programmers after meetings with sports officials beginning in August 1978. As an event progresses, an operator will enter an athlete's scores or times obtained from a scoreboard or timing display unit. The computer will automatically rank the competitors and display this information, periodically print intermediate results, and allow for corrections or remarks if need be. After technical data for the event and data for each competitor has been entered and checked, the official results will be printed in a format approved for use in the 1980 Olympic Winter Games official results book.

## Distribution

The intermediate and official results of all Olympic events will be viewed and distributed in a variety of ways. The information network will consist of approximately 80 pieces of equipment including video display terminals, intelligent terminals, portable "dial-up" terminals, and send/receive printers. Equipment will be located at all venues, press and broadcast centres, Olympic village, IOC headquarters and the sports administration centre and interconnected by communication lines. During the running

of an event, intermediate results showing current standings will be printed, copied, and distributed periodically to press and officials at each event site. Xerox Corporation will supply approximately forty duplicators of various types and sizes, including 12 model 9200's capable of copying and collating 120 copies per minute. Bohn Rex-Rotary will supply approximately 20 offset duplicators at various sites as back-up equipment.

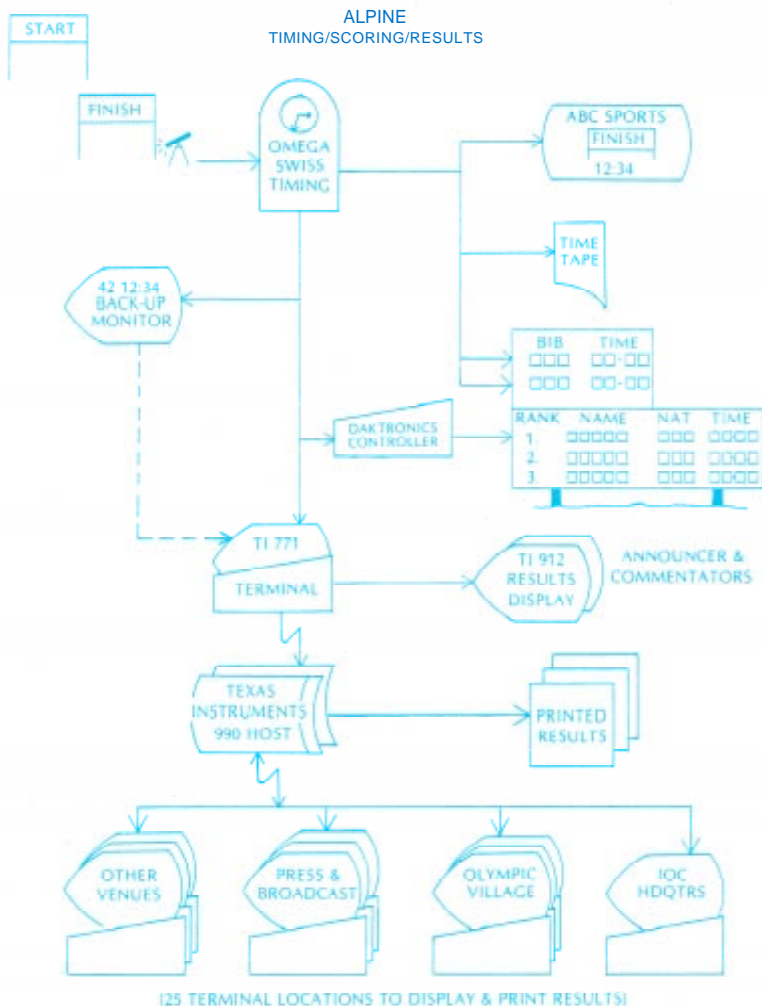
When the Games are over, a complete set of all official results will be made available for the athletes and team members. Finally, all pertinent data related to the Games will be compiled to become the 1980 Olympic Winter Games official results book.

## Supplemental Information

Much information will be available to athletes, coaches, competition officials, sports administrators, the press, and the public through the information systems network. Much will be stored in the computer, but other information will be distributed via the telecopy system or cable television.

A registration/accreditation system provided by Texas Instruments will have a data base with information about every member of the Olympic family. The system will provide data about athletes and team officials including short biographies, past accomplishments in Olympic and world events, and current results and/or standings in the 1980 Olympic Winter Games at Lake Placid. Data on each athlete will also be used to create start lists for each event.

Medical data concerning immunisation and femininity tests for athletes will be stored within the registration/accreditation system. The department of information systems is also providing a recordkeeping program for use by medical personnel including an athlete's previous illnesses or injuries.



Weather reports will also be stored in the computer with enough space for translation into two languages, and will be updated and made available throughout the network at 06:00, 11:00 and 16:00 every day. There will be ten reports consisting of weather data for the Lake Placid area, the cross-country, biathlon, bobsleigh and luge areas at Mt. Van Hoevenberg, the base area and starts

for slalom, giant slalom and downhill events at Whiteface Mountain, the speed skating oval and the ski jumps at Intervale.

