BULLETIN OF THE INTERNATIONAL MATHEMATICAL UNION

REPORT OF THE EXECUTIVE COMMITTEE OF THE INTERNATIONAL MATHEMATICAL UNION TO THE NATIONAL ADHERING ORGANIZATIONS

1 January — 31 December 1970

A. Membership

The following 41 countries were members of the Union in 1970:

Group I: Argentina, Brazil, Bulgaria, China-Taiwan, Cuba, East Germany, Greece, Iceland, Ireland, Mexico, New Zealand, North Korea, Norway, Portugal, South Africa, Turkey;

Group II: Australia, Austria, Denmark, Finland, Israel, Pakistan, Rumania, Spain, Sweden, Yugoslavia;

Group III: Belgium, Canada, Czechoslovakia, Hungary, India, the Netherlands, Switzerland;

Group IV: France, Germany, Italy, Japan, Poland;

Group V: Great Britain, U.S.A., U.S.S.R.

This membership corresponded to a total voting strength of 92 and an annual income from membership dues of $ 10.366.80 (equivalent to 106 units).

B. Scientific Activities

I. International Congress of Mathematicians.

The Congress was held in Nice on September 1—10, 1970, with a number of participants of about 3.000. Only lectures by invited speakers were given; of these 16 were one hour addresses of a general character and 265 were more specialized lectures of 30—50 minutes each. The Congress had 34 different sections. A short report on the Congress is published in the IMU Bulletin, No. 1; more detailed reports will be given in the forthcoming Proceedings.

II. Colloquia and Symposia.

As usual during a Congress year, IMU concentrated its efforts on the Congress and co-sponsored only one other scientific activity, namely the *Mathematical Conference at Plans-sur-Bex, March 15—21, 1970.*

The third meeting at Plans-sur-Bex was attended by 28 mathematicians, of which 24 came from Swiss Universities and 4 from France. The theme of the conference was *K-Theory*, in particular the theorem of Atiyah-Singer and its applications.

III. Exchange Programme — IMU Lectureships.

Under the Exchange Programme travel grants were paid to Professor *A. Dinghas* (West Berlin) for a visit to Rumania, to Professor *K. Maurin* (Poland) for a visit to Ireland and to Professor *G. Segal* (Great Britain) for a visit to Poland.

IV. International Commission on Mathematical Instruction (ICMI).

(i) An ICMI meeting was held in Nice in connection with the International Congress of Mathematicians (September 5). At this meeting the composition of the ICMI for the period 1971—1974, just elected by the General Assembly of IMU, was announced. The following discussion revealed a wish for a change of procedure of nomination and election of the Commission.

(ii) Further discussions took place about the programme and the organization of the Second International Congress on Mathematical Education in 1972 at the University of Exeter (Great Britain).

(iii) It was requested that ICMI sponsor the International Mathematical Olympiads.

C. Meetings of the Executive Committee

Three meetings of the Executive Committee were held in 1970: in Lausanne on May 8—9, in Menton on August 27 and in Nice on September 7.

(i) At the meeting in Lausanne the audited financial statement for 1969 and the report to the National Adhering Organizations for the same year were approved.

(ii) Reports were received on the work of the Consultative Committee for the International Congress in Nice and on the work of the Fields Committee. Rules for IMU's travel grants to young mathematicians, participating in the Nice Congress, were adopted.

(iii) Allocations were made to the Exchange Commission and to the Mathematical Conference at Plans-sur-Bex (see above). The budget for 1970, the main part concerning the Nice Congress, was adopted.

(iv) The agenda for the General Assembly in Menton, August 28—30, was approved, and various items of this agenda were discussed. A slate for the new Executive Committee was drawn up.

(v) At the meeting in Menton the decisions taken in Lausanne were confirmed. It was decided to propose a change of the Statutes and By-Laws of the Union to the General Assembly.

(vi) The Secretary reported on the discussions he had with members of the Site Committee for the International Congress in 1974. A final meeting was scheduled to be held in Nice on September 7.

(vii) At the meeting of the Executive Committee in Nice Professor Atiyah reported on a meeting on Reviewing Journals, held two days ago with representatives for Mathematical Reviews, Referativnyi Zhurnal and Zentralblatt für Mathematik. The Executive Committee felt that action should be taken, without loss of time, to implement some of the recommendations mentioned in Professor Atiyah's report.

D. General Assembly

The sixth General Assembly of the International Mathematical Union was held in Menton, France, on August 28—30, 1970. Reference is invited to the Record which has been published in the first issue of the IMU Bulletin.

E. Financial Report

The Financial Report for 1970 has been presented separately.

New IMU Bulletin

The International Mathematical Union, in its present form, has completed twenty years of existence. Reports of the Union's activities during this period have been sent out to member-countries as required under the statutes and by-laws. Most of them have also been published, by arrangement, in this bulletin of the Austrian Mathematical Society. In view of the expanding role of the Union, it has seemed desirable to keep a continuous and easily accessible record of its activity. This is now being done in the form of an independent IMU Bulletin, which is scheduled to appear about three times a year. The first issue has been published in January 1971. All inquiries about this new Bulletin should be addressed to the Secretary of the Union, Djursholm, Sweden.   *H. Cartan, President of IMU.*

End of the Bulletin of the International Mathematical Union.