

INTERNATIONAL ASTRONOMICAL UNION
UNION ASTRONOMIQUE INTERNATIONALE

Thirty-eighth Meeting of the Executive Committee

Sydney University, Sydney, N.S.W., Australia

Thursday, 30 August 1973

P R O C E E D I N G S

The thirty-eighth meeting of the Executive Committee of the IAU was held in the Carslaw Building of the Sydney University on 30 August 1973 from 14,00 to 17,30.

Present were:

L. Goldberg, President
B.J. Bok, Vice-President
G. Bolton, Vice-President
Ch. Fehrenbach, Vice-President
W. Iwanowska, Vice-President
B. Lovell, Vice-President
E.R. Mustel, Vice-President
G. Contopoulos, General Secretary
E.A. Müller, Assistant General Secretary
B. Strömgren, former President
C. de Jager, former General Secretary
A. Jappel, Executive Secretary
J. Dankova, Administrative Assistant

Introductory Note:

The report has been prepared in the order of the items overleaf in the summary list of the Agenda. The documents related to the Agenda and distributed before and during the meeting have not been included in the present report: they will be kept in the archives of the Union for further reference.

A G E N D A

42nd Meeting of the Executive Committee, Grenoble, 2 September 1976

1. Opening by the President
2. Approval of the Agenda
3. Report by the General Secretary
 - a) Problems resulting from the XVth General Assembly
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 - e) New Member Country
 - f) Relations with and representation in other international organizations
- ~~4. Extraordinary General Assembly~~
4. Meetings
 - a) Regional Meetings
 - b) Symposia and Colloquia
 - c) Cosponsorship of and representation at meetings of other organizations
5. Place and date of the next meeting of the Executive Committee
6. Any other matter
7. Closing by the President

1. Opening by the President

The President opened the meeting with a word of welcome to those present and expressed his appreciation of being associated with the Executive Committee for the coming three years. Then he passed to the Agenda.

2. Approval of the Agenda

The Agenda as prepared by the General Secretary was unanimously approved.

3. Report by the General Secretary

a) Problems resulting from the XVth General Assembly

The General Secretary referred to the report of the Chairman of the Resolutions Committee, read at the final session of the General Assembly, and said that the seven formal resolutions adopted by the General Assembly would be published in the Information Bulletin to be distributed in January 1974.

Resolutions 1 and 2 on the effect of non-payment of contributions and the 4 years interval between General Assemblies respectively would be discussed at the next meeting of the Executive Committee. Resolution No. 3 is only a suggestion as it concerns Regional Meetings which are outside the jurisdiction of the IAU. Resolutions 4 - 6 have a scientific character, and Resolution 7, the so called Blanket Resolution, endorses the resolutions adopted by the individual Commissions.

The General Secretary then mentioned the problem of free circulation of scientists which will be discussed at the forthcoming ICSU meeting in Leningrad, September 1973. B.J. Bok complained that the Australian Local Organizing Committee failed to secure visas for the Soviet delegation in time. C. de Jager said that the applications of the Soviet delegates for visas had not come in in time. B.J. Bok was of the opinion that it is the function of the host country to arrange that visas for participants in international meetings are issued immediately. W. Iwanowska explained that, in her country, applications for visas must sometimes be submitted through the Academy of Sciences to the Embassy, which may cause delays. It was agreed that the representatives of the IAU would strongly recommend to ICSU to take the necessary steps to ensure the free circulation of scientists.

The General Secretary reported of the correspondence with the Astronomical Council of the People's Republic of China regarding its membership in the IAU. Every effort will be made to keep this question open. It had already been resolved to follow closely the policy of ICSU in this respect.

The Working Group on Planetary System Nomenclature, newly formed by the General Assembly, would consist of a President, the Presidents of Commissions 16 and 17 (ex officio), and of the chairmen of the individual Task Groups, that is of the Task Groups for the Moon, Mars, Mercury and Venus. The President of the Working Group is P.M. Millman. The Task Group Lunar Nomenclature is headed by D. Menzel, and A. Dollfus is its Vice-Chairman. The suggested members of the Task Group are: F. El-Baz, K. Florenskij, H. Masursky (for IUCN), and K. Runcorn (ex officio). After discussion it was agreed that until the next meeting of the Executive Committee A. Dollfus should be the Chairman of the Task Group for Mars, G.H. Pettengill Chairman of the Task Group for Venus, and L.V. Morrison Chairman of the Task Group for Mercury. The membership of the individual Task Groups would be appointed by the Chairmen.

The General Secretary then read the invitation of the Canadian National Committee of Astronomy to hold the XVIIth General Assembly in Canada. It was noted that this invitation still requires the endorsement of the National Research Council of Canada.

b) Finances of the Union

The General Secretary referred to the budget for 1974-1976, as approved by the General Assembly, and said that further two financial requests had reached him which are not covered by the budget: 1) to grant \$ 7.000 annually to the BIH, 2) to grant to Commission 46 \$ 20.000 for Young Astronomers' Schools and \$ 6.000 for the project of Visiting Professors. The problem of financing the FAGS services, BIH included, will have to be discussed by all Unions concerned, that is the IAU, URSI, IUGG and COSPAR. The IAU will ask ICSU to allocate more money to FAGS. The additional funds for Commission 46 cannot be made available as they are not included in the budget.

The problem of individual fees and how to relate them to the budget will be discussed at the next meeting of the Executive Committee. C. de Jager pointed out that the inconvertibility of certain currencies would require 2 budgets, if not more.

As to the investment of the IAU reserves it was felt that any action at this time would be premature. The problem will be submitted to the Standing Finance Committee. C. de Jager said that there already exists a recommendation of the Standing Finance Committee. The matter will be discussed by the Officers at their next meeting.

c) Financial Authority

The Executive Committee transferred the authority of signing in the name and on behalf of the Union (Financial Authority) from the former General Secretary, C. de Jager, to the incoming General Secretary, G. Contopoulos.

The document reads as follows:

Financial Authority to the General Secretary

" The Executive Committee, in the exercise of its responsibility to the General Assembly for the conduct of the finances of the Union, instructs and authorizes the General Secretary as follows:

1. Accounts. The General Secretary, acting as treasurer of the Union, shall be responsible for

- a) keeping accounts by recording all the Union's receipts and payments;
- b) preparing the financial statement and accounts to be submitted for consideration by the Finance Committee.

These accounts shall be certified by a qualified professional accountant.

2. Budget. Before each General Assembly, the General Secretary shall prepare an estimate of a budget of income and expenditure for the following period, for submission by the Executive Committee to the Finance Committee, and subsequently for approval by the General Assembly.

3. Expenditure within the Budget. The General Secretary is authorized to incur expenditure and to make payments, on behalf of the Union, within the provisions of the budget subject to the approval of the Executive Committee in respect of the individual projects for which an overall total sum (for example for Symposia or for unforeseen projects) has been provided in the budget.

The General Secretary is, in particular, authorized to

- a) pay all sums necessary for the efficient conduct of the Administrative Office, including the salaries of the Executive Secretary and other staff;
- b) negotiate contracts for the printing and publication of the Transactions and other publications of the Union, and make the necessary payments,

in accord with any general directives that may, from time to time be given by the Executive Committee.

4. Expenditure outside the Budget. The Executive Committee may authorize the General Secretary to incur expenditure and to make payments, on behalf of the Union, outside the provisions of the budget:

- a) where the budget provision is considered inadequate, because of increased prices, poor estimation or other reasons;
- b) in respect of new items, the necessity for which has arisen since the General Assembly.

5. Bank Accounts. The General Secretary is responsible for ensuring that all necessary procedures are fulfilled in respect of the Union's current and savings accounts. He may delegate responsibility to the Assistant General Secretary and/or Executive Secretary.

6. Travel and subsistence expenses. The General Secretary, the Assistant General Secretary, as well as the Executive Secretary and other members of the staff, are entitled to the repayment of travel and subsistence expenses in respect of journeys necessarily undertaken on account of the business of the Union. (Travel expenses in connection with meetings of the Executive Committee, Officers' meetings, meetings of the ICSU or similar organizations, or scientific meetings, are paid in accord with the standard procedures for members of the Executive Committee.)

7. Expense Account. The General Secretary and the Assistant General Secretary are authorized to receive repayment, from the funds of the budget, of the reasonable expenses of hospitality necessarily incurred in the conduct of the business of the Union, subject to a maximum of 400 U.S. dollars in any one year. "

d) Publication Policy

The possibilities of less expensive IAU publications were discussed. It was suggested to seek advice from Astronomy and Astrophysics Supplement, or Dr West, ESO, Denmark, who has good experience with camera copies. It was noted that editors should be prepared to retype about one third of the manuscripts supplied by authors for camera copying. This might be asked of the editors, without charge to the IAU. This possibility should be discussed with Reidel, but other publishers might also be contacted. E.R. Mustel asked whether it would not be advisable to print IAU publications on less good paper. C. de Jager suggested to hold more Colloquia and less Symposia, as only the latter are being published as IAU Publications. E.A. Müller pointed out that the greater part of observatories in the world have no facilities for camera copying. B. Lovell remarked that as far as he knows the page costs for normal print and camera copies are approximately the same. It was also suggested to contact non-profit organizations or to establish a non-profit IAU Publishing House. The President summed up the discussion and said that it would be the task of the Officers to try to find a solution.

Transactions XVIA will normally be published in 1976, as the Presidents of Commissions felt that they are indispensable for astronomers.

Transactions XVB will be published by Reidel in the usual form with reprints of the list of Commissions and the Alphabetical List of IAU Members.

The General Secretary will discuss a new contract with Reidel.

e) New Member Country

The Executive Committee welcomed the admission of South Korea to the Union. The General Secretary will find out details regarding the adhering organization, national correspondent, contribution, etc.

The following countries showed interest in being admitted to the Union: Burma and Iraq. The General Secretary will write the necessary letters.

f) Relations with and Representation in Other International Organizations

The appointments made by the 37th meeting of the Executive Committee were noted and confirmed. F.G. Smith and R. Wielebinski were nominated as IAU representatives in IUCAP. The Union will not be represented in the Quarterly Bulletin of Solar Activities.

4. Extraordinary General Assembly

The General Secretary reported that the preparations for the Extraordinary General Assembly were excellent and that participation in the meeting is expected to be good. W. Iwanowska said that ~~the Taiwan problem had been solved~~, that about 300 participants

13 are to come from abroad, and that the total participation would be about 1,700 persons. There will be no formal meeting, except the inauguration on 4 September. The Transactions of the Extraordinary General Assembly will include the introductory speeches.

5. Meetings

a) Regional Meetings

Two proposals for regional meetings are before the Executive Committee, one for Vienna in 1974, the other for Tbilisi in 1975. The initiator of the Vienna meeting, Dr Meurers, is now hopeful to obtain at least 10,000 \$ U.S. for its organization. It will be necessary that the Austrian Observatory send the Union a formal invitation, that the German Astronomische Gesellschaft will not hold its meeting in the fall of 1974, and that the Austrian organizers provide for hostel facilities. The topic of the meeting would be Stars and Stellar Evolution. The Scientific Organizing Committee might consist of Voigt, as Chairman, and Boyarchuk, Meurers, Hack, Kahn, Paczynski, Kippenhahn, Cayrel, van den Heuvel, as members. It will be the task of the Officers to work out the details.

It was noted that another regional meeting might come into consideration in Italy (possibly Trieste) in 1974.

The meeting in Tbilisi is envisaged in June 1975. About 500 astronomers are expected to participate. The topic of the meeting would be "Stars and Galaxies" with emphasis on Observational Aspects. The tentative composition of the Scientific Organizing Committee is as follows: Kharadze (Chairman), Ambartsumian, Courtez, Holmberg, Ryle, van der Laan, and W. Becker (or Steinlin).

C. de Jager emphasized that it would be necessary to coordinate this meeting with the Plenary Meeting of COSPAR to be held in Israel in 1975.

b) Symposia and Colloquia

It was resolved to change the name of Symposium No. 67, approved at the meeting of the Executive Committee in Copenhagen, to "Variables in Relation to the Evolution of Stars and Stellar Systems".

The Symposia and Colloquia approved by the Executive Committee for the years to come are as follows:

- ✓ Symposium No. 68, "Solar EUV, X and Gamma Radiation", adjacent to COSPAR meeting in 1974, Buenos Aires, Argentina. Organizing Committee: K. Anderson (Chairman), J.L. Culhane, G. Elwert, Fossi, S.L. Mandel'shtam, W. Neupert, V.K. Prokof'ev, J. Sahade. *Approved by COSPAR*
- ✓ Symposium No. 69, "Dynamics of the Stellar Systems", September 1974, Besançon, France. Organizing Committee: I. King (Chairman), G. Contopoulos, A. Hayli, M. Henon, G. Hori, D. Lynden-Bell, L. Perek, L. Spitzer, R. Wi..., Ya. Zeldovich.

- ✓ Symposium No. 70, "Be Stars" (Derrill-McLaughlin Memorial), 4 days in 1975, Michigan, U.S.A. Organizing Committee: A. Slettebak (Chairman), A.A. Boyarchuk, A.P. Cowley, M. Hack, R. Herman, D. Hummer, J.B. Hutchings, J. Sahade, A.B. Underhill.

- ✓ Symposium No. 71, "Basic Mechanisms of Solar Activity", one week in August 1975, Prague, Czechoslovakia. Organizing Committee: V. Bumba (Chairman), H.W. Dodson-Prince, R.G. Giovanelli, K.O. Kiepenheuer, H. Kopecky, M. Kuperus, M.J. Marfles, Y. Nakagawa, Ju. I. Vitinsky.

- ✓ Colloquium No. 25, "Study of Comets", late October 1974, Greenbelt, U.S.A. Organizing Committee: B. Donn (Chairman), L. Biermann, A.H. Delsemme, O.V. Dobrovolskij, B.J. Levin, B.G. Marsden, E. Roemer, P. Swings, V. Vanýsek, F.L. Whipple. (Note: The possibility of postponing the meeting to April 1975 is still under consideration.)

- ✓ Colloquium No. 26, "Reference Coordinate Systems for Earth Dynamics", 2-7 September 1974, Toruń, Poland. Organizing Committee: W. Dobaczewska, E.M. Gaboshkin, B. Kolaczek, J. Kovalevsky, C. Lundquist, H. Moritz, G. Veis, G.C. Weiffenbach (Chairman).

- ✓ Colloquium No. 27, "UV and X-Ray Spectroscopy of Astrophysical and Laboratory Plasmas", 4-6 September 1974, Cambridge, Massachusetts, U.S.A. Organizing Committee: W.H. Parkinson (Chairman), J.E. Blamont, B.S. Fraenkel, W.R.S. Garton, H.R. Griem, C. Jordan, R.P. Madden, D.C. Morton, W.M. Neupert, A.B. Severnyj, A.B.C. Walker, Jr.

- ✓ Colloquium No. 28, "Planetary Satellites", June 1974, Ithaca, N.Y., U.S.A. Organizing Committee: not known.

- ✓ Colloquium No. 29, "Multiple Periodic Variable Stars", 5 days in September 1975, Budapest, Hungary. Organizing Committee: W.S. Fitch (Chairman), M.W. Feast, B.V. Kukarkin, P. Ledoux, S. Piotrowski, J. Smak, R.S. Stobie, B. Szeidl, A. van Hoof, B. Warner, S.C. Wolff.

More details will be necessary for the support of the following proposals for meetings:

- ✓ Symposium on Radio Astronomy and Cosmology, proposed by Drs Longair and Parijskij for Leningrad;
- ✓ Symposium on High Speed Astronomy, proposed by Dr Evans for Texas;
- ✓ Colloquium on Interplanetary Dust and the Zodiacal Light, proposed by Prof. Elsässer for Heidelberg;
- ✓ Colloquium on Double and Multiple Stars, proposed by Dr Dommanget for Mexico.

Colloq *Simon's effort in Leningrad (Jan 74)*
The proposal for a Symposium on Solid State Astrophysics was not accepted.

A tentative proposal for a Symposium on Magnetic Stars in Vienna during 1974 was made. It was understood that this should be included in the program of the Vienna Regional Meeting.

c) Cosponsorship of and Representation in Meetings of Other Organizations

It was noted that the IAU had already agreed to cosponsor the Symposium on Solar Terrestrial Physics, organized by SCOSTEP, to be held in Sao Paulo from 17 to 21 June 1974, and the COSPAR Symposium on Satellite Dynamics which will be held in Sao Paulo in June 1974.

6. Place and Date of the Next Meeting of the Executive Committee

Ch. Fehrenbach invited the Executive Committee to hold its 39th meeting either in Grenoble or at Haute Provence, France, from 26 to 30 August 1974. This invitation was unanimously accepted.

It was unanimously agreed to hold, upon invitation of the General Secretary, the 40th meeting of the Executive Committee in Greece, from 27 to 31 August 1975.

7. Any Other Matter

B.J. Bok stressed the importance of having young astronomers on the Executive Committee if the IAU is not to be considered an "Establishment". C. de Jager answered that the composition of the Executive Committee is being established by democratic procedures before the General Assembly and hence actually represents the wishes of the IAU Members. B.J. Bok said that the general Membership expects leadership from the Executive Committee; B. Lovell endorsed this view, but doubted that this can be obtained by having young people on the Executive Committee. The General Secretary referred to earlier experience which showed that young astronomers are interested in science rather than administration.

B.J. Bok requested that the dates of IAU meetings should be fixed with due regard to the fact that the fall term of U.S. Universities begins on about 20 August.

It was resolved that the resolutions adopted by the Commissions should be sent out soon. This will be possible after the removal of the IAU Office to Thessaloniki.

8. Closing by the President

The President closed the meeting at 17.30, and thanked those present for their contribution to the work of the Executive Committee.

Thessaloniki, September 1973

G. Contopoulos
General Secretary