

Report of the Business and Scientific Meetings, 20-27 November 1985

PRESIDENT: J. Jugaku

SECRETARY: R.F. Garrison

Business Meeting

The President welcomed those present at the meeting. He first listed the proposed agenda on a viewgraph which was adopted by those present. The Commission then elected R.F. Garrison as Secretary for the meeting.

The President asked for a moment of silence in memory of Ch. Bertaud, T. Dunham Jr., O.A. Mel'nikov, A. Przybylski, and J. Tech who passed away during the last triennium.

The President then gave a report on the activities of the Commission since the last meeting in Patras. The main activities were the following.

1. Symposia and Colloquia: The Commission sponsored or cosponsored 8 IAU meetings in 1982-1985. For details, see Transactions IAU, XIXA, p. 353 (1985). The Organizing Committee has also approved sponsorship of five more IAU meetings in 1986-1987; they are Symposium No. 122, "Circumstellar Matter," Heidelberg, FRG, June 23-27, 1986; Colloquium No. 92, "Physics of Be Stars," Boulder, Colorado, USA, August 18-22, 1986; Colloquium No. 94, "Physics of Formation of Fe II Lines outside LTE," Capri, Italy, July 1986; "Circumstellar Matter in Close Binaries," Victoria, Canada, June 1987; and Symposium No. 132, "The Impact of Very High S/N Spectroscopy on Stellar Physics," Paris, France, June 1987.

2. Working Groups: The Commission sponsored two Working Groups together with Commission 45: Be Stars and Ap Stars. It also sponsored a third Working Group on Standard Stars together with Commissions 30 and 45. The report on the Working Group on Be stars was given by its Chairperson, A. Slettebak, while those of the other two were read by the President. Chairperson of the third Working Group, L.E. Pasinetti, suggested that the name of the Working Group be changed to "Working Group on Standard Stars and Calibration Methods." This suggestion was discussed and it was deferred to the meeting of the Working Group (see the Report of Commission 45). C.O.R. Jaschek and P.C. Keenan proposed the creation of a new Working Group on Peculiar Red Giants. This proposal was endorsed and afterwards it was also endorsed by Commission 45.

3. Sponsorship of the International Register of Stellar Spectroscopists. The IRSS is a list of stellar spectroscopists giving the names, addresses, and research fields irrespective of their IAU memberships. It is edited by W. Bonsack and A. Slettebak. A. Slettebak reported that its fourth edition would be distributed shortly among those interested.

The President presented a draft of By-laws of Commission 29 which were prepared by the Organizing Committee in the past three years. P.C. Keenan suggested to remove the second sentence of item 3(a) in the by-laws and his suggestion was unanimously accepted.

The election of new officers and of the Organizing Committee was carried out. Those elected were: President, G. Cayrel de Strobel; Vice President, P.S. Conti; Organizing Committee, M.S. Bessell, A.M. Boesgaard, J. Jugaku, D.L. Lambert, O.H.

Levato, M.A. Smith, J. Smolinski, M. Spite, and S.C. Wolff.

R.F. Griffin described the present status of Mount Wilson Observatory and proposed to submit a resolution to the General Assembly concerning the closing of the Observatory. The motion was carried and R.F. Griffin accepted to discuss this matter with other relevant commissions. This proposal became Resolution C12 of the General Assembly and is printed in the resolution section of these proceedings.

Scientific Meeting

A meeting on "Nucleosynthesis in the Galaxy from Studies of Low Mass Stars" was held on 27 November. The following papers were presented:

- J. Audouze: Nucleosynthesis in the Galaxy from studies of low mass stars
- J. Audouze: Chemical evolution of galaxies and abundances in low mass stars
- R. Kraft: Recent work on CNO in dwarfs and subdwarfs
- C. Pilachowski, C. Sneden, and D. Vandenberg: The carbon isotope ratio in metal poor giants
- D. Lambert: Abundances of light elements (Na-Ti) in disk and halo stars
- J. Audouze: Abundances of the very light elements D, He, Li and their cosmological implications
- M. Bessell and J. Norris: Non-solar abundance ratios in extreme Population II stars
- D. Duncan: Li in Population II stars
- F. Spite and M. Spite: Nitrogen enhancement in metal-poor dwarfs: from inside or outside?
- G. Cayrel de Strobel: On a possible metallicity gradient in SMR stars
- M. Grenon: The metallicity gradient in the disk population
- C. Pilachowski: On the existence of a metallicity gradient in the halo of the Milky Way
- R. Cayrel: A new interpretation of the metallicity histogram of globular clusters
- B. Gustafsson: Final remarks

The Proceedings are being edited by G. Cayrel de Strobel and M. Parthasarathy and will be published by the Indian Academy of Science, Bangalore.

Working Groups

WG on Ap Stars: The Working Group has elected the following Organizing Committee: C.R. Cowley (chairperson), B. Hauck, M. Jaschek, J. Jugaku, V. Khokhlova, D.W. Kurtz, and G.J. Michaud.

WG on Peculiar Red Giants: The Working Group has elected the following Organizing Committee: A. Alksnis, R.F. Garrison, R.F. Griffin, C.O.R. Jaschek (co-chairperson), M. Jaschek, H.R. Johnson, P.C. Keenan (co-chairperson), T. Lloyd-Evans, E.E. Mendonça V., F.R. Querci, H.B. Richer, V. Straižys, T. Tsuji, P.R. Wood, and S.B. Yorke.

The following papers were presented at the meeting:

- R. Foy: Spectral-features-selected variations in the diameter of Mira stars
- M.S. Vardya: A few comments on S and M Mira variables
- H. Richer: Search for carbon and M-type stars in external galaxies
- R. Wing: Temperature of carbon stars
- V. Straižys: Simultaneous photometric determination of the metallicity and the O/C ratio for late-type stars

Joint Discussion

Commission 29 participated in Joint Discussion V "Stellar Activity: Rotation and Magnetic Fields."