

college or university teaching. The Ford Foundation is sponsoring the one-year grants in humanities and sciences. Information and application materials, which must be returned by 1 February, are available from the Fellowship Office, National Research Council, 2101 Constitution Ave., Washington, D. C. 20418.

The American Association for the Advancement of Science will award mass-media fellowships to outstanding students, preferably at the graduate level, to work during the summer at radio and television stations and newspapers and magazines. Applications, to be returned by 1 February,

should be submitted to Mass Media Science and Engineering Media Fellows Program, AAAS, 8th Floor, 1776 Massachusetts Ave., N. W., Washington, D. C. 20036.

The National Academy of Sciences is inviting applications for research visits (preferably of 5 to 12 months duration) to Soviet-bloc countries (or Yugoslavia) in Europe during 1983. Expenses will be met by NAS and the host academy. Request applications from NAS, Commission on International Relations, USSR/EE, 2101 Constitution Ave. N.W., Washington, D.C. 20418. Deadline is 20 March 1982.

## National Society of Black Physicists meets

The National Society of Black Physicists has just published the proceedings of its eighth annual day of meetings held last May at Fermilab. This, the first such publication, contains five technical papers given on topics ranging from high-energy astrophysics to semiconductors.

Shirley Jackson, a theoretical physicist at Bell Labs (Murray Hill) and the Society's president, describes the day of meetings as the cornerstone of the Society's activities. Each year a prominent physicist—this year Walter E. Massey, director of Argonne National Lab—delivers a speech. Black physicists (who in some cases work in small departments and don't have resources to travel to national conferences) present their work to their peers with the support of the Society. During the day the group also holds its business meeting and provides the setting at which members can discuss common problems: the credibility sometimes denied them, their isolation and their restricted access to the "loops," as Jackson puts it, of the usual resources and contacts in physics. They assist each other and create some loops of their own within the mainstream.

This year the Society also invited about 100 high school and college students to attend the day of meetings and to meet working black physicists. The Society hopes to encourage these young people to go into physics and to advise them about opportunities in expanding fields of physics and at various schools.

The Society also keeps a roster of black physicists originally compiled by Ronald E. Mickens, professor of physics at Fisk and Vanderbilt universities. The roster provides another "loop" by supplying black physicists with the names and institutional affiliations of 200 black colleagues holding degrees or working in physics.

The Society originated eight years ago with annual dinners honoring older black physicists or physics educators. At these occasions other physicists presented talks on current work. These dinners expanded to days as more papers were presented and more people attended. In 1978 the organization formally constituted itself and elected officers. At present the officers, besides Jackson, are treasurer, W. Eugene Collins (Southern University); executive officer, Stephen McGuire (Oak Ridge National Lab); executive committee members, Sekazi Mtingwa (Fermilab) and Clayton Bates (Stanford University).

The proceedings are available, at cost, through the Public Information Office, Fermilab, P. O. Box 500, Batavia, IL 60510. □

## the physics community

### Rheologists elect Schowalter and Collier

William R. Schowalter took office as the new vice-president of the Society of Rheology and John R. Collier became its new secretary at the Society's October Meeting.

Schowalter, after his two-year term as vice-president, will succeed the new president, Alan Gent, professor of polymer physics and dean of graduate studies and research at the University of Akron.

Schowalter was educated at the University of Wisconsin (BS, 1951) and the University of Illinois (MS, 1953 and PhD in chemical engineering, 1957). He went to Princeton University in 1957 as assistant professor of chemical engineering. In 1966 he became professor and in 1978 chairman of the department, positions he currently holds. From 1972 to 1977 he was associate dean of the School of Engineering and Applied Science. He has conducted research in fluid mechanics, non-Newtonian flow and rheology.

Collier, who will serve a two-year term as secretary, studied at the South Dakota School of Mines and Technology (BS 1961), University of Illinois (MS, 1962) and Case Institute of Technology (PhD

in polymer science engineering, 1966). Joining Ohio University as an assistant professor of chemical engineering in 1966, he rose to his present position, professor, in 1972. He was associate dean of the Graduate College from 1972 to 1978. He has done work on interrelationships between processing conditions, morphology and resultant properties of semicrystalline polymers and on tailoring of properties of polymers.

New members elected to the executive committee of the Society are John M. Dealy of McGill University and Kurt F. Wissbrun of Celanese Research. They join Edward B. Bagley, USDA Agricultural Research Center, who serves on the committee as past-president. Treasurer Edward A. Collins and editor Raymond R. Myers were reelected.

### NTIS sells AIP bibliographies

The National Technical Information Service is using the AIP magnetic tape database, SPIN, in the preparation of retrospective bibliographies. SPIN (Searchable Physics Information Notices), a monthly tape sent to subscribers, contains bibliographic information and abstracts of articles published in one-third the world's periodical literature in physics and astronomy, including all the AIP and member society journals. The NTIS bibliographies, containing abstracts, cover subjects in physics ranging from airglow and albedo to vacuum systems and whistler waves. The NTIS service, begun in 1981, uses the New England Research Applications Center's interactive retrieval system. Requests for free catalogs of published searches (Document PR-186) should be addressed to: National Technical Informative Service, US Department of Commerce, 5285 Port Royal Rd., Springfield, VA 22161.

SCHOWALTER

