



1969 AIP GOVERNING BOARD. Front row, from the left: Stanley S. Ballard, William W. Havens Jr, R. Bruce Lindsay, Ralph A. Sawyer, Mary E. Warga, Ronald Geballe. Middle row: W. Lewis Hyde, Thor L. Smith, Karl G. Kessler, Clarence Zener, Frederick Seitz, Herbert I. Fushfeld, H. William Koch, John Bardeen, Wallace Waterfall. Back row:

G. C. McVittie, G. A. Jeffrey, Arnold Arons, A. I. Mahan, Robert S. Shankland, Joseph A. Burton, H. Richard Crane. Absent when the picture was taken were Luis W. Alvarez, Robert T. Beyer, Jacob E. Goldman, Samuel A. Goudsmit, Robert N. Little, Robert G. Sachs and Albert E. Whitford. Gerald Holton has since replaced Shankland on the board.

versity; Rolf M. Steffen, Purdue University; Karl S. Woodcock, Bates College; and Resnick.

Solicited articles for volume one are "Lecture Demonstrations in England" by Lawrence Bragg, Fellow of the Royal Society; "Shadow Projection" by R. W. Pohl, University of Göttingen; "A Talk About Demonstrations" by Eric M. Rogers, Princeton University; and "What is Conveyed by Demonstrations" by Gerald Holton, Harvard.

Volume two contains "Closed-Circuit TV in Physics Demonstrations" by Rosalie Hoyt, Bryn Mawr; "Films as a Lecture Aid" by Alfred Leitner, RPI; "Corridor Demonstrations" by Everett M. Hafner, University of Rochester; "The Overhead Projector in the Physics Lecture" by Walter E. Eppenstein, Rensselaer; and "Stroboscopic Effects" by Meiners. —TJ

Sullivan won for a series of articles on scientific and technological aspects of the Apollo 8 circumnavigation of the moon last December.

H. William Koch, AIP director, was scheduled to make the award 29 April during the American Physical Society meeting in Washington. The prize includes \$1500.

The sponsors also announced that they have slightly changed the rules for a new award to be given a scien-

tist for writing aimed at a nonscientific audience (*PHYSICS TODAY*, February, page 75). Contestants may be physicists or astronomers or other members of AIP member societies. Up to three entries of material published between June 1968 and the end of this month may be submitted by 30 June. The award will be made during the fall meeting of the society officers and governing board and the AIP Corporate Associates.

Universities, Congress Study Institutional Grant Proposals

The whole question of how best to support higher education, particularly in the sciences, has been opened up in Washington. No immediate decisions are expected, but the discussion and debate going on now will affect science education for decades.

The money question has become overriding as financial crisis haunts even prestige universities. The National Science Board devoted its first annual "state of science" report (as required by a new law) entirely to the financing of graduate science education. The American Council on Education has made its own plea to

the Congress and the President, and separate groups such as the National Association of State Universities and Land-Grant Colleges and the American Association of State Colleges and Universities have been heard from.

Congressional hearings on a bill to provide institutional grants to universities, which drew a parade of star witnesses, have focused national attention on the problem.

The goal is to provide a substantial and stable income to graduate science departments (see, for example, *PHYSICS TODAY*, August, 1968, page 23). The solution may come from the formulas

New York Times Writer Wins AIP-US Steel Writing Award

Walter Sullivan, science editor of the New York Times, has won the second American Institute of Physics-United States Steel Foundation science-writing award in physics and astronomy.

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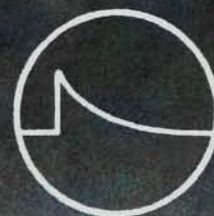
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for institutional grants now proposed in so many quarters.

Under the National Science Board plan, the federal government would provide six types of grants:

- institutional sustaining grants, on a noncompetitive basis, under formulas based on quality and current expenditures
- departmental sustaining grants, for student stipends, research needs of young investigators and continuing expenditures
- development grants, for the formation, expansion or improvement of graduate institutions or programs
- graduate facilities grants, to help provide general and specialized facilities and libraries
- graduate fellowships, for graduate and postdoctoral students
- research project grants, for research expenses not covered by other types of grant programs.

The board called authorization for the institutional and departmental grants an essential first step. It "strongly urged" initial appropriations not later than fiscal year 1972.

The American Council on Educa-

tion called for institutional grants on the grounds they would give quality institutions a base from which to strive for greater quality, enable other institutions to strive for the quality denied them by inadequate resources and slow the trend to higher student fees.

A bill to start the flow of institutional grants in the coming fiscal year was introduced in the House 3 Jan. by George P. Miller, D-Cal., chairman of the Committee on Science and Astronautics. HR 35 authorizes \$400 million in fiscal 1970 and amounts in subsequent years equal to 20% of all federal science grants to colleges and universities.

Under HR 35, one third of the money would go to universities as a percentage of all their federal science grants in the previous year. One third would be divided among states in proportion to the number of undergraduates in the state's colleges. The final third would go to universities in proportion to the number of advanced degrees awarded.

The National Science Foundation would administer the grants with the advice of a newly created council, representing the various associations of colleges and universities.

AIP, Societies Seek Ways to Cut Publishing Costs

Procedures that will help standardize and speed journal publication are going into effect now as a result of decisions made at a winter meeting of the American Institute of Physics Publications Board and the Committee of Society Secretaries and Treasurers. Experimentation is continuing as well, and more changes are on the way.

In March H. William Koch, director, reported the steps AIP is taking to carry out the mandate of the January meeting. The new policies affect nearly every area of publication.

In computing the publication charge per page, AIP calculates the costs to be paid by page charges spread over all pages published. It has asked member societies to supply data on publication costs handled directly by the societies so that calculations can be made on the same basis for all journals. AIP has offered the benefit of its own experience to the societies before they change rates, procedures or policies.

To reduce the cost of setting type (now averaging \$32 per page), AIP is continuing experiments with computer-based photocomposition as well

as typewriter composition, which is more economical, and awaits decisions by other societies on whether they will follow the American Physical Society in using authors' own typewritten abstracts for printing meeting programs.

Although AIP's editorial cost of processing copy is a third to a half less per page than that for other scientific societies, David B. Biesel, manager of the AIP editorial section, presented a study showing further savings were possible. Standardizing the location and format of footnotes alone could mean substantial savings in printer's costs.

A six-man committee is working out a standard style for submission to the Publications Board. Hugh C. Wolfe, AIP publications director, Kenneth Carroll and Biesel represent AIP; J. W. Stout, Simon Pasternack and David L. MacAdam represent the board. In general references will be collected at the end of a paper while footnotes will be printed at the bottom of the columns in which their indicators appear.

Finally Wolfe is preparing a detailed proposal for AIP to produce and distribute 16-mm microfilm copies of



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