

But the item that brought a special gleam to his eyes was the package of research on radiation damage and the creation of voids, which has a direct practical application to the fast-reactor materials problem. Ron Bullough has been the theorist on the project, and experimental work has been in the hands of R. Stuart Nelson and John Makin. Theory and experiment have combined to explain how different damage rates lead sometimes to voids and why they form in some cases and not in others. "Quite an impressive piece of work," as Marshall put it.

In contrast the industrial-contract work is much more applied to industry's needs. Typically Harwell helps individual manufacturers develop units such as gauges or analyzers for solving a particular production problem. This is the aspect of Harwell's work that is currently growing.

Marshall admitted that life nowadays is very tough and money is very short for his general programs. "Everywhere people are having to tighten their belts very hard or earn money from other sources. With this new commercial program I can at least see a light at the end of the tunnel."

—JTS

NOAA opens new data center for geophysics

The National Oceanic and Atmospheric Administration has opened a National Geophysical and Solar-Terrestrial Data Center, in Boulder, Colo. The center maintains records in the fields of seismology, geomagnetism, marine geology and geophysics, solar activity, interplanetary phenomena, the ionosphere, cosmic rays, auroras and airglow.

The center provides, on request and at nominal cost, primary data from national and worldwide sources and issues a variety of regular and special data publications. Archives are available to visiting scientists, and advance arrangements are preferred. Inquiries should be directed to NOAA Environmental Data Service, D6, Boulder, Colo. 80302.

in brief

Proposals for the 1973 Bendix awards of the Society of Physics Students must be sent in by 15 Nov. The awards, which go to SPS chapters to fund research or educational projects, come from an annual \$3000 grant from the Bendix Corporation.

A new edition of *Graduate Programs in Physics and Astronomy and Related Fields*, which provides current and comparative information of doctoral and/or master's degree programs in over 300 institutions of higher education in the United States and Puerto Rico is now available. A new feature is the listing of 50 doctoral programs in fields to which physics bachelors may wish to transfer. The guide costs \$7.50 if payment accompanies the order, \$1.00 more for non-cash orders, and may be ordered from AIP, 335 East 45th St, New York, N.Y. 10017.

Comments on Plasma Physics and Controlled Fusion, coordinated by Burton D. Fried of the University of California at Los Angeles, is being published bimonthly by Gordon and

Breach. Subscriptions, per volume (with six issues to a volume), are available to individuals and libraries at \$11.00 and \$35.00, respectively.

Environmentally-concerned professionals who wish to have their name and a short resume appear in the annual *Directory of Environmental Consultants* should send a no. 10 self-addressed envelope to the Directory of Environmental Consultants, P. O. Box 8002, University Station, St. Louis, Mo. 73108.

Copies of the National Science Foundation report, *An Analysis of Federal R&D Funding by Budget Function, 1960-72* (NSF 71-25), are available from the Superintendent of Documents, Washington, D. C. 20402 for \$1.75 a copy.

the physics community

Institute of Physics elects new officers

Sir Brian Flowers is the new president of the (British) Institute of Physics. He is on leave from the University of Manchester and is chairman of the Science Research Council; in October 1973 he will resign from the Council and become rector of Imperial College, London. He replaces James W. Menter, the Director of Tube Investments, Ltd. The Institute of Physics' new vice president for meetings is Peter F. Chester of the Central Electricity Generating Board, North Western Region. Hyman Rose was elected honorary treasurer and Robert Press was reelected secretary. Elected ordinary members of council were Joseph Evans and William J. Meredith.

The Institute, after a deficit of £35 000 last year, will increase membership fees up to 40% this year. Two attempts to raise the fees had been made previously, but they failed to win the necessary 75% majority.

APS committee wants to update women's roster

The American Physical Society's Committee on the Status of Women is preparing a supplement to update the Roster of Women Physicists. The committee would like to make the roster as complete as possible and urges women physicists who have not yet filled out questionnaires for the roster to do so. They can be obtained from Elizabeth Baranger, Committee on the Status of Women in Physics, Rm. 6-405, MIT, Cambridge, Mass., 02139.

By "physicist" the committee means women with bachelor's degrees or higher who are actively engaged in physics-related work, as well as women with advanced degrees in physics who are working in nonphysics areas or are at present not working.

JETP to celebrate its hundredth anniversary

In January 1973, physicists in the Soviet Union will celebrate the centenary of the establishment of the physics part of the *Transactions of the Russian Physical and Chemical Society*. This section was split off from the parent journal in 1931 to establish the *Zhurnal eksperimentalnoi i teoreticheskoi fiziki*. AIP has been translating this journal since 1955 as *Soviet Physics-JETP*, and this period coincides with the term of the current editor of the Soviet publication, Peter L. Kapitza.

Enter now for AAPT apparatus competition

The semiannual American Association of Physics Teachers apparatus competition will be held at the New York meeting of the American Physical Society and AAPT in January. Models of demonstrations or lab apparatus that are suitable for introductory physics courses are solicited from college and high-school teachers. Entries are welcome from all countries. For further information and entry forms, write to F. E. Christensen, Apparatus Competition Director, St. Olaf College, Northfield, Minn. 55057.