

rover. Major equipment includes a new Huntect FS-3 for shallow seismic refraction/reflection surveys, Varian proton-precession magnetometer, four Goerz XY/YT recorders, and Compu-corp 425/88 desk computer; in addition, the members of geophysics research team have designed and built 'Geo-Zam 1000' geo-electric resistivity instruments (an sold two to Government departments). A magnetic observatory is planned, and applicants with interest and knowledge to build up and run this observatory would be specially welcome.

The School of Natural Sciences has made a modest start in M.Sc. work, and this will develop. Our first two 'staff development Fellows' are working here towards M. Sc. in geophysics. Two doctoral-students from abroad joined us this year as geophysics Research Affiliates.

A smaller physics research team is assisting other scientists in diverse applications of radioisotopes, and has good equipment.

#### Workshop

The main University workshop is attached to the School of Engineering and is well equipped. The physics workshop is adequate for most small jobs. The electronics workshop is excellent.

#### Library

The University operates a centralized library system, which currently subscribes to a wide range of periodicals.

#### Staff Establishment

The physics academic staff establishment for 1974 is 13, plus the two Research Fellows; there are at present 2 Professors, 1 Reader, 2 Senior Lecturers, 8 Lecturers and 1 Research Fellow. Three colleagues leave soon at end of contract. The supporting staff establishment is one Chief technician, one senior technician, and 5 technical/laboratory assistants. Part-time help is used in the first and second-year laboratories.

Estimated students numbers in 1974 physics courses are:

1st year : 300 + 100  
 2nd year : 130  
 3rd year : 25 +  
 4th year : 10

#### Vacancies in physics

Application are invited for lecturer and senior positions in Physics, in the School of Natural Sciences. Prefer-

ence will be given to physicists with experience of self-paced type introductory courses, and with research experience in geophysics or metal-physics/materials science or applications of radioisotopes.

#### SALARY SCALES

Professor	K 7400 × 200	—	K 7800
Senior Lecturer	K 5600 × 200	—	K 6600
Lecturer	K 4000 × 200	—	K 4400 × 150
	— K 4700 (promotion bar)	K 5000 × 200	— K 5400

Rank and entry point on the salary scale will be determined on the basis of qualifications and experience; normally, only PhD applicants are considered. Non-Zambians will normally be appointed for between three and five years, but shorter appointments may be negotiated.

Other conditions include: passages and baggage allowances for transport of effects on appointment and on completion of contract; installation allowance of K 200; house with hard furniture provided at a sub-economic rent; car allowance of K 180 p.a.; home leave of 90 days in respect of each two year period of contract; children's allowance of K 100 p.a. for each minor dependent child resident in Zambia, and up to K 400 educational allowance for each minor child receiving education outside Zambia; voluntary contributory Medical Aid; compulsory superannuation; terminal gratuity.

#### Duties of Appointee

The Professor/Senior Lecturer/Lecturer will be responsible, under the general direction of the Head of Subject, for a course as far as possible in accordance with the appointee's special interests. Other duties are to assist with first-year teaching and laboratory demonstrating, and to assist the Head of subject in the general administration and development of the subject. It is expected that the appointee will join physics staff engaged in metal physics/materials science or geophysics research. Every encouragement will be given to persons interested in developing new teaching methods or teaching aids, whether for use in the University or in Schools; also to persons interested in linking careers for our graduates to our undergraduate courses.

Details of the physics courses, the last Annual Report of the School of Natural Sciences, and further information, will gladly be supplied by the Registrar or the Dean of Natural Sciences or physics staff, University of Zambia, P.O. Box 2379, Lusaka, Republic of Zambia.

## Letter to the Editor

Sir,

About a year ago I was elected as delegate to the EPS Council representing Individual Ordinary Members of our society. After this period which has included much contact with member and non-member physicists and also the attendance at one Council meeting (Nov. 27/28, 1973) I feel bound to give an account of my activity and to call for support on several crucial issues.

(1) At the last Council meeting I voted, on behalf of a large number of Individual Members, to raise the unit fee. I felt justified in doing this because the Executive Committee was not only counting on an increase in income but were sufficiently responsible to take measures to cut expenditure. Most important of the measures considered were a reduction in the staff of the secretariat and, according to a suggestion of CERN, reconsideration of a transfer of the offices to one of the CERN buildings. Hopefully, the executive will report soon on the efficacy of the measures actually taken.

(2) I feel that there is not sufficient planning in order to mobilise our society in worthwhile activities. For instance, one would imagine that any society purporting to represent European physicists would be able to marshall together most facts pertinent to Physics in Europe today, something not only of interest to members but also to industry and government. Surveys of jobs and job opportunities (which I suggested at the Wiesbaden EPS meeting) could be made and would be of benefit to physicists in Europe. This and similar activities, which I believe could be done at relatively little expense, would offer something positive to members.

This is important as it is particularly difficult to enrol new members in a society which doesn't offer them much.

I wish to initiate a discussion on ways of making it more attractive to join our society as Individual Ordinary Members. This includes recruiting people who are already members of national societies (c.f. Jansen's commentary on the difficulty of dual membership, in his retrospective

account of the EPS in Europhysics News). Hopefully, all those interested will communicate their thoughts to me as soon as possible so that some definite action can be initiated.

Unfortunately, a motion (originating at the Wiesbaden EPS Conference) which I supported, and which would have set up a group to advise the executive on long-range policy matters, was not approved by Council at its last meeting. This apparent unwillingness to confront our real problems is not only unscientific but also suicidal.

(3) I feel that members should be more active (!) in protecting their own interests. For instance membership on the board of EPS divisions is restricted to members of EPS. In several cases it appears that board members of divisions are not members of any physical society at all. Surely this is not in the best interests of EPS.

(4) I wish to criticise the publications policy of the Society. I maintain that the EPS seal has been sold too cheaply and that the present policy has not rationalised physics journals in Europe. More and more journals receive the seal, which indicates only the fulfilment of some rather moderate editorial requirements.

Is it possible that in the future really good quality journals will not want to have the seal because of its seeming lack of distinction? Will the Society be obliged to issue double and triple seals to high quality publications to distinguish them from average ones? Have we irreversibly decided never to publish ourselves but rather to be dependent on commercial interests?

If this point of view is shared by a large section of the membership I would like to propose an alteration to the present policy as soon as possible.

If this letter has informed Individual Ordinary Members of the nature of my representation on their behalf and if it provides the basis for constructive debate within the Society, it has served its purpose.

**B.J. Green**  
*JET Design Team*  
*Culham Laboratory*  
*Abingdon, UK*

#### NOTE FROM THE EDITOR

The President of EPS stated at the November meeting of Council that he just considered long-range policy matters to be the task of the Executive Committee and therefore Council decided that

« The Executive Committee take notice that at every Council meeting a sufficient amount of time be devoted to a well prepared discussion on the long range policy of EPS ».

# Society News

## Member Societies

The **Belgian Physical Society** elected G. Jacobs, Ghent as President and P. Fettweis, Mol as Secretary to replace J. Depireux and M. Neve de Mevergnies respectively.

A.M. Prokhorov, Moscow has been elected as Secretary of the **Department of General Physics and Astronomy of the USSR Academy of Sciences** to succeed the late L.A. Artsimovich.

P. Tanskanen, Oulu has been elected President of the **Finnish Physical Society** replacing P. Lipas.

C. Castagnoli, Turin is the new President of the **Italian Physical Society** taking over from G. Toraldo di Francia.

P.W.M. Glaudemans, Utrecht replaces P.J. Brussard as Secretary in **The Netherlands' Physical Society**.

## Associate Members

**CISE** - Centro Informazioni Studi Esperienze, Milano has decided to join the European Physical Society as Associate Member.

Jodon AG, Zurich changed its name into **el don AG**.

## Individual Ordinary Members

In the election of **Delegates to Council** 1096 votes were received from Individual Ordinary Members. The following candidates have been elected to take office on 1 April 1974  
B. Giovannini, Geneva  
E. Minardi, Abingdon  
G. Szigeti, Budapest.

In **Hungary** Individual Ordinary Members, cat. 4c) may pay their membership fee through the Eötvös Lorand Physical Society. The amount of SFr. 24.— corresponds to Ft. 177.—.

The new **Information Booklet** containing full details of the European Physical Society has been sent to Individual Ordinary Members of EPS. Others may obtain the booklet from the Secretariat at SFr. 25.—.

## Energy and Physics



Members of the Programme Committee for the Third General Conference of the European Physical Society meeting at the EPS Secretariat in Petit-Lancy on 15 January 1974.

The **department of Physics and Astronomy** of the **University of Leiden** invites applications for a position of

### FULL PROFESSOR IN ASTROPHYSICS

Applicants should have a good understanding of Astrophysics and a wide experience of research in either Astronomy or Physics.

The task of the successful applicant will be to found a research team working on problems on the borderline between Physics and Astronomy. If desired, the work may include laboratory experiments, for which collaboration with the existing Molecular Physics group will be possible.

The group will be housed in the newly-built Huygens Laboratory, together with Astronomy, Molecular Physics and Biophysics.

Funds for experimental equipment are available.

Knowledge of the Dutch language is not essential.

Applications, with list of publications, curriculum vitae, and the names of at least two references, should be sent to the Chairman, Department of Physics and Astronomy, Huygens Laboratory, Leiden, Netherlands, not later than 1 June 1974.