

New Temperature Scale

The Consultative Committee for Thermometry of the International Committee of Weights and Measures has approved at its May 1978 meeting a new temperature scale, the EPT-76, which covers the temperature range from 0.5 K to 30 K. EPT-76 is an abbreviation of the French title « Echelle Provisoire de Température de 1976 entre 0,5 K et 30 K ». Temperatures on this scale are denoted T_{76} .

The text of the scale is to be published by the BIPM (Pavillon de Breteuil, F-92310 SÈVRES) in French and English; copies became available at the XVth International Conference on Low Temperature Physics which was held at Grenoble, 23-29 August. The scale along with its background and derivation is to be published in *Metrologia* early in 1979.

The scale is designed to resolve inconsistencies between the liquid helium vapour pressure scales, the IPTS-

68 and thermodynamic temperature in this range. The scale is also designed to be thermodynamically smooth and to join with the IPTS-68 at 27.1 K. This scale is based on temperatures which have been assigned to eleven reference points, namely the four lower fixed points of the IPTS-68, the triple point of neon, the boiling point of helium and the superconducting transition points of cadmium, zinc, aluminium, indium and lead. The scale can be realised by interpolation between the fixed points by using the differences which are given between T_{76} and the 1958 ^4He and 1962 ^3He vapour pressure scales, the IPTS-68 platinum thermometer scale and various low temperature laboratory scales. The assigned temperatures of the reference points and differences from the established scales are intended to be consistent with both paramagnetic salt susceptibility and gas thermometry.

Who's Who in Quantum Electronics

The **Quantum Electronics Division** have recently published the 3rd Edition of their European Who's Who in Quantum Electronics. The volume contains 164 contributions from 16 countries and includes much new material. Copies may be ordered by making a pre-payment to the account of Professor F.P. Schäfer (Quantum Electronics Division), Kreissparkasse Göttingen No. 118 006 064, FRG. For European non-profit institutions or individuals, the price is 25 DM; 30 DM for those in non-European coun-

tries (to cover additional postage charges); for industrial or commercial organizations the price is 250 DM. Every contributing group receives one copy free of charge.

The Institute of Physics

From 1 October 1978, the new president of **The Institute of Physics**, U.K. will be Dr. R.S. Pease of the Culham Laboratory.

Special Rates for EPS Members

The Institute of Physics of the U.K. has announced its 1979 special subscription rates for EPS members, for journals published by the Institute. Any Individual Ordinary Member or member of an EPS Member Society may subscribe to any or all of the magazines (numbers 1-3 in the list below) at the reduced rates and, in addition, to: *Reports on Progress in Physics*, and/or, either *Physics in Medicine and Biology* or one of the *Journal of Physics* series, provided that evidence is produced that the appropriate publication is taken by the library of the member's institution.

| | 1978 | 1979 |
|--|--------|---------|
| Physics Bulletin | £ 7.50 | £ 10.00 |
| Physics Education | 6.25 | 9.00 |
| Physics in Technology | 5.00 | 8.00 |
| Physics in Medicine and Biology | 7.50 | 10.00 |
| Reports on Progress in Physics | 13.50 | 16.50 |
| Journal of Physics A: Mathematical and General | 12.00 | 15.00 |
| Journal of Physics B: Atomic and Molecular | 17.50 | 22.50 |
| Journal of Physics C: Solid State Physics | 26.25 | 30.00 |
| Journal of Physics D: Applied Physics | 13.50 | 15.50 |
| Journal of Physics E: Scientific Instruments | 8.00 | 10.50 |
| Journal of Physics F: Metal Physics | 13.50 | 16.50 |
| Journal of Physics G: Nuclear Physics | 10.50 | 12.00 |

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Grants to Young Physicists

About 50 physicists will attend the York Conference as a result of the grants made by EPS. In addition, there will be a further number of participants who have received help from their national societies and, in the U.K., from the Royal Society. Some 20 000 Fr were earmarked by EPS for this purpose. Then in response to the applications received, following the announcements published first in *EN* June, 1977 and then again in September and November (including the Conference Bulletin No. 1) the distribution of grants set out below was made.

| | |
|----------------|----|
| Austria | 3 |
| Czechoslovakia | 2 |
| France | 3 |
| Germany | 3 |
| Hungary | 9 |
| Israel | 1 |
| Italy | 4 |
| Poland | 10 |
| Portugal | 2 |
| Romania | 2 |
| Sweden | 1 |
| Switzerland | 1 |
| Yugoslavia | 6 |

Special preference has been given to younger physicists, that is to say, physicists who have completed their studies in the past few years.

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