

In his January letter to the editor (page 98) commenting on certain researchers long overlooked by the Nobel committee, Marshall Nathan asks, "Just how long must they wait for the recognition they deserve?" As in the case of the belated award of a Nobel Prize having been made to Ernst Ruska, I think this glaring oversight should be rectified. And I would now like to apply Nathan's question to another omission: synchrotron radiation.

To my knowledge, no major prizes have ever been awarded for (1) the first experimental demonstration that relativistic electrons magnetically guided in a circular orbit radiate as though circulating independently¹ (as discussed in my letter in your January 1975 issue, page 9), (2) the first direct observation of the radiation² or (3) the first spectroscopy with synchrotron radiation,³ in which its ideal properties (spectral distribution, polarization, time dependence, collimation) as a research tool were first pointed out.

Surely those three achievements (especially the third one), which made possible the development of so much other new science, both fundamental and applied, were every bit as important in the history of physics as the laser and the cyclotron—and deserve the same level of recognition.

References

1. J. P. Blewett, Phys. Rev. **69**, 53 (1946).
2. F. R. Elder, H. C. Pollock, A. M. Gurewitsch, R. V. Langmuir, J. Appl. Phys. **18**, 810 (1947).
3. H. C. Pollock, Am. J. Phys. **51**, 278 (1983).

GEORGE C. BALDWIN
(gcbaldwin@compuserve.com)
Los Alamos National Laboratory
Los Alamos, New Mexico

Corrections

December 1998, page 65—In the "New Products" section, the headline "Time-of-Flight Mass Spectrometer" should have read "Digital Signal Averager." EG&G Instruments neither manufactures nor supplies the mass spectrometer used with the signal averager.

February 1999, page 60—The photo depicts a model of the University of Nijmegen's 30-tesla hybrid magnet, not the actual instrument. ■

YOUR BEST CHOICE!

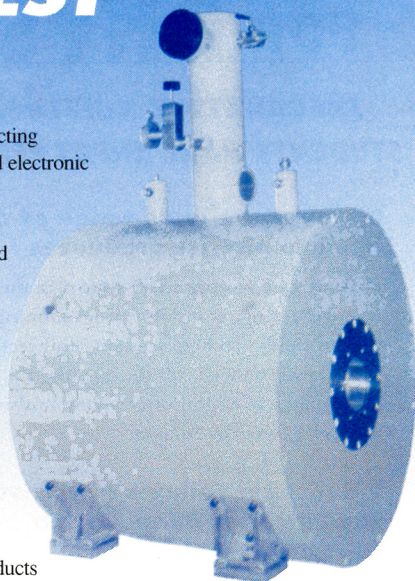
No matter if you require superconducting magnets, turn-key systems, or related electronic instrumentation –

Cryomagnetics is the best choice.

Combining experience with advanced engineering and manufacturing capabilities allows high quality products to be delivered in a cost-efficient manner.

From ultra-low current superconducting magnets to high-resolution NMR magnet systems, Cryomagnetics can address your entire superconducting magnet and system needs.

Contact us today to see how our products can work for you.



Actively-Shielded Systems



CRYOMAGNETICS, INC.
INNOVATIVE SUPERCONDUCTING MAGNET SOLUTIONS

Visit us on the Web!

1006 Alvin Weinberg Drive
Oak Ridge, TN 37830

Phone: (423) 482-9551
Fax: (423) 483-1253

E-mail: sales@cryomagnetics.com
Web: www.cryomagnetics.com

APS Show—Booth #922

Circle number 89 on Reader Service Card

Laboratory Cryogenic Systems

Displex®
Closed Cycle Cryostats
(6.5 - 450 K)

Heli-tran®
Flow Cryostats
(2 - 800 K)

- Resistivity
- Spectroscopy
- Mossbauer
- Photoluminescence
- Hall Effect
- EPR, NMR
- Magnetic Susceptibility
- Cryogenic Accessories



Advanced Research Systems, Inc.

905 Harrison St. • Suite 109 • Allentown PA 18103
Phone: 610-439-8022 Fax: 610-439-1184 E-mail: <arscryo@aol.com>