

▲ As of July 1, the Barnwell low level radioactive waste disposal facility in South Carolina began accepting shipments from all states nationwide, except for North Carolina. States have already begun transporting their nuclear medicine waste there, doling out \$59 to \$75 per cubic foot to ease the burden on hospital storage facilities.

—Chem Nuclear Systems

▲ In a landmark discovery, scientists recently found evidence for a fourth state of matter, a condensate predicted over 70 years ago by Albert Einstein and the Indian physicist Satyendra Nath Bose. The researchers chilled rubidium-87 atoms to a temperature of 170 nano-kelvins, then watched them coalesce. Einstein and Bose independently predicted that at sufficiently low temperatures, atoms in a dilute, noninteracting gas would condense to the point where they would fall into the same quantum state and, in essence, behave like a single atom.

—Science

▲ One sign of aging is the failure to remember new faces or names, and researchers have used PET scans to determine the reason why: When asked to recall faces viewed 15 minutes earlier,

elderly volunteers recognized fewer faces than their 25-year-old counterparts and had lower levels of blood flow in their hippocampus, a region of the brain thought to be responsible for building, or encoding, memories. Thus, the trouble may lie in building new memories, not in retrieving them.

—National Institute on Aging

▲ Dupont has decided to sell its medical division, which includes diagnostic imaging machines. The sale, however, will have no bearing on Dupont Merck's radiopharmaceutical division which manufactures nuclear medicine products such as Cardiolite.

—Dupont

▲ As a revenge for pinup calendars of models clad in skimpy bikinis, a new calendar for 1996 will feature pinups of winsome male PhDs. Called the "Studmuffins of Science," the calendar will feature photos of totally clad men accompanied by brief profiles, for instance, "favorite DNA purification techniques" for a biologist.

—Annals of Improbable Research

JNM Award Winners

The annual editorial board breakfast held on June 13th during the Society of Nuclear Medicine's Annual Meeting recognized twelve groups of researchers who received outstanding manuscript awards for their articles published in *The Journal of Nuclear Medicine (JNM)* in 1994. Below is a complete listing of the award winning authors and their articles:

Overall Excellence

- Vallabhani V. Rao, Mary L. Chin, James F. Kronauge and David Piwnica-Worms
Expression of Recombinant Human Multidrug Resistance P-Glycoprotein in Insect Cells Confers Decreased Accumulation of Technetium-99m-Sestamibi.
J Nucl Med 1994;35:510-515.

Human Studies

- Cristina Messa, Daniela Perani, Giovanni Lucignani, Arturo Zenorini, Felicia Zito, Giovanna Rizzo, Franco Grassi, Angelo Del Sole, Massimo Franceschi, Maria Carla Gilardi and Ferruccio Fazio
High-Resolution Technetium-99m-HMPAO SPECT in Patients with Probable Alzheimer's Disease: Comparison with Fluorine-18-FDG PET.
J Nucl Med 1994;35:210-216.
- David E. Kuhl, Robert A. Koeppe, Jeffrey A. Fessler, Satoshi Minoshima, Robert J. Ackermann, James E. Carey, David L. Gildersleeve, Kirk A. Frey and Donald M. Wieland

In Vivo Mapping of Cholinergic Neurons in the Human Brain Using SPECT and IBVM.
J Nucl Med 1994;35:405-410.

- Jaetae Lee, Shung C. Chae, Kyubo Lee, Jackyeong Heo and Abdulmassih S. Iskandrian
Biokinetics of Thallium-201 in Normal Subjects: Comparison between Adenosine, Dipyrindamole, Dobutamine and Exercise.
J Nucl Med 1994;35:535-541.

- Ana M. Catafau, Eduard Parellada, Francisco J. Lomena, Miquel Bernardo, Javier Pavia, Domènec Ros, Jordi Setoain and Enric Gonzalez-Monclus
Prefrontal and Temporal Blood Flow in Schizophrenia: Resting and Activation Technetium-99m-HMPAO SPECT Patterns in Young Neuroleptic-Naive Patients with Acute Disease.
J Nucl Med 1994;35:935-941.

- Juri G. Tjuvajev, Homer A. Macapinlac, Farhad Daghighian, Andrew M. Scott, James Z. Ginos, Ronald D. Finn, Pares Kothari, Revathi Desai, Jiayu Zhang, Bradley Beatrice, Martin Graham, Steven M. Larson and Ronald G. Blasberg
Imaging of Brain Tumor Proliferative Activity with Iodine-131-Iododeoxyuridine.
J Nucl Med 1994;35:1407-1417.

- Frank Grunwald, Christian Menzel, Laszlo Pavics, Jürgen Bauer, Andrea Hufnagel, Karl Reichmann, Ruth Salowski, Christian E. Elger and Hans J. Biersack
Ictal and Interictal Brain SPECT Imaging in Epilepsy Using Technetium-99m-ECD.
J Nucl Med 1994;35:1896-1901.

Laboratory Studies

- Edward T.M. Keelan, Andrew A. Harrison, Peter T. Chapman, Richard M. Binns, A. Michael Peters and Dorian O. Haskard
Imaging Vascular Endothelial Activation: An

Approach Using Radiolabeled Monoclonal Antibodies against the Endothelial Cell Adhesion Molecule E-Selection.
J Nucl Med 1994;35:276-281.

- Roko Kubota, Kazuo Kubota, Susumu Yamada, Masao Tada, Tatsuo Ido and Nobuaki Tamahashi
Microautoradiographic Study for the Differentiation of Intratumoral Macrophages, Granulation Tissues and Cancer Cells by the Dynamics of Fluorine-18-Fluorodeoxyglucose Uptake.
J Nucl Med 1994;35:104-112.

- Bipin M. Mehta, Eddie Rosa, June L. Biedler and Steven M. Larson
In Vivo Uptake of Carbon-14-Colchicine for Identification of Tumor Multidrug Resistance.
J Nucl Med 1994;35:1179-1184.

Special Contribution

- A. Bertrand Brill, David V. Becker, Kevin Donahoe, Stanley J. Goldsmith, Bennett Greenspan, Ken Kase, Henry Royal, Edward B. Silberstein and Edward W. Webster
Random Update: Facts Concerning Environmental Radon: Levels, Mitigation Strategies, Dosimetry, Effects and Guidelines.
J Nucl Med 1994;35:368-385.

Multicenter Trial

- Kenneth F. Van Train, Ernest V. Garcia, Jamshid Madhavi, Joseph Areeda, C. David Cooke, Hosen Kiat, Gerard Silagan, Russell Folks, John Friedman, Lisa Matzer, Guido Germano, Tim Bateman, Jack Ziffer, E. Gordon DePuey, Darlene Fink-Bennett, Karen Cloninger and Daniel S. Berman
Multicenter Trial Validation for Quantitative Analysis of Same-Day Rest-Stress Technetium-99m-Sestamibi Myocardial Tomograms.
J Nucl Med 1994;35:609-618.