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# Introducing the Capintec CRC-15R Dose Calibrator, from the company that makes it themselves.

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From the company that for 25 years has developed and manufactured over 30 different models of state-of-the-art calibrators, sold more than 15,000 units and created the most comprehensive technical service and support system available.

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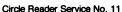


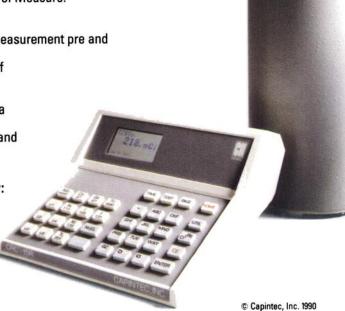
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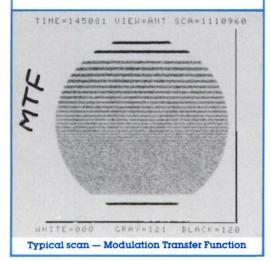


ONE Phantom...SIXTEEN Tests!



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The Dynamic Line Phantom is the only instrument that will provide a true and accurate flood uniformity test for gamma cameras...a necessity in SPECT imaging!

This new phantom uses the principle of a thin line source transversing the camera. Using microprocessor technology, it can simulate a number of different phantoms. It can provide direct measurement of the Modulation Transfer Function, can evaluate collimator operation, and check the complete imaging system — camera, interface, processing, display.

Conventional phantoms such as flood, quadrant bar, PLES, orthogonal hole, flood sources, Hine-Duley, BRH test patterns, and more, have been incorporated into the Dynamic Line Phantom which is preprogrammed to perform 16 quality assurance tests.

For more details, request Bulletin 436-35

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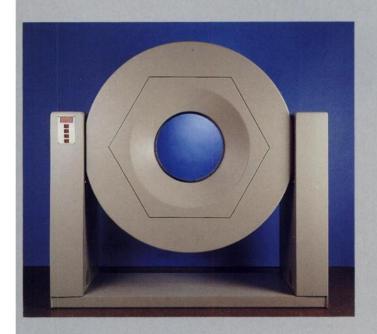


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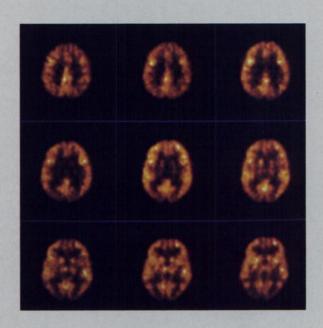
#### PENN-PET Model 240 H





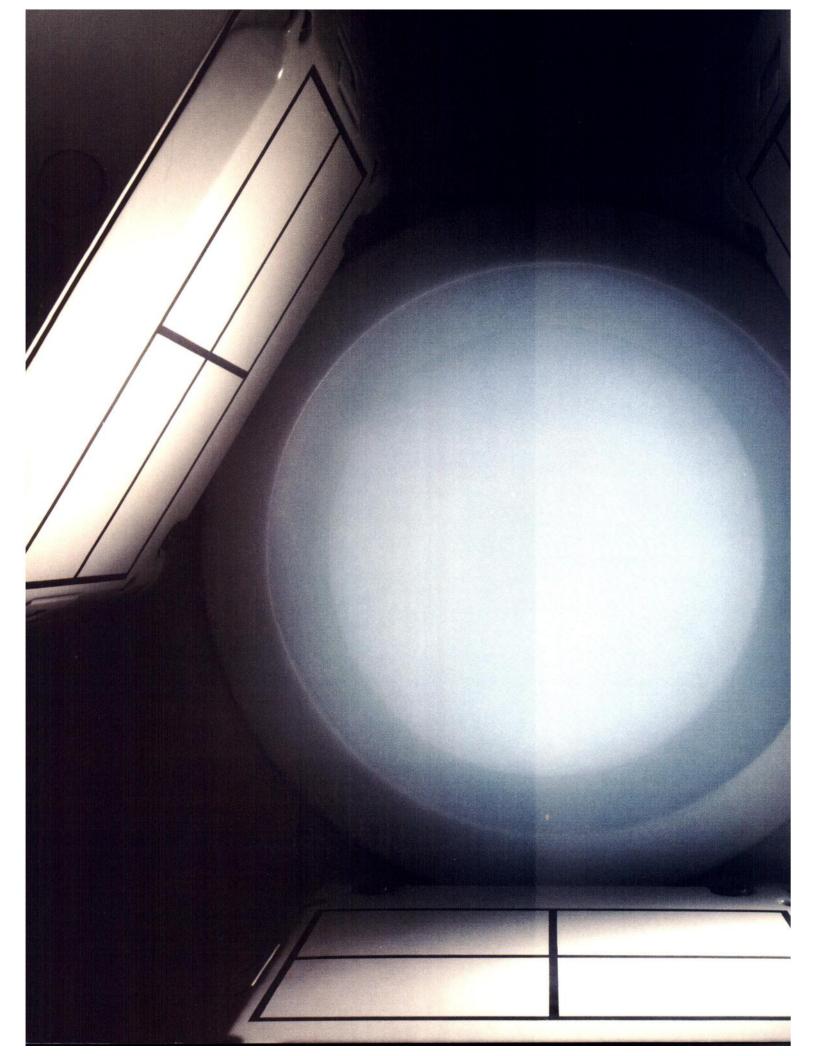
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**UGM** Medical Systems Inc.





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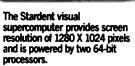
When today's nuclear imaging needs go beyond a single-head camera, look into Picker's exciting new three-head PRISM SPECT System.

It represents the true leading edge in nuclear medicine. Providing increased sensitivity for shorter study times. Better throughput. And enhanced image quality—particularly for brain and heart SPECT studies.

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PRISM is powered by the Stardent visual supercomputer with two 64-bit processors. Now image reconstructions in less than 1/4 second and 3-D renderings are routine achievements. What's more, it only takes one room and one technologist to operate.



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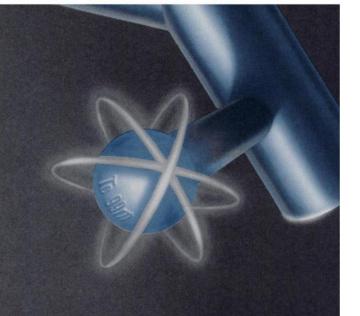
arise about PRISM, our advanced high speed modem is also a standard feature. It enables immediate communication between you and Picker, making long distance problem evaluations and solutions a reality.

It all proves that Picker has what it takes to meet your needs. Even if it takes three heads to do it. For more information about the PRISM System, including support services, call Picker International, Ohio Imaging, Nuclear Medicine Division at (216) 475-1111.



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Technology isn't the only thing binding at NeoRx. The company's unwavering commitment to product research and development is reflected in on-going clinical trials at nearly 50 institutions throughout the United States. These trials, utilizing monoclonal antibody technology including OncoTrac® products, continue to set NeoRx apart in the development of novel cancer detection and treatment methods.



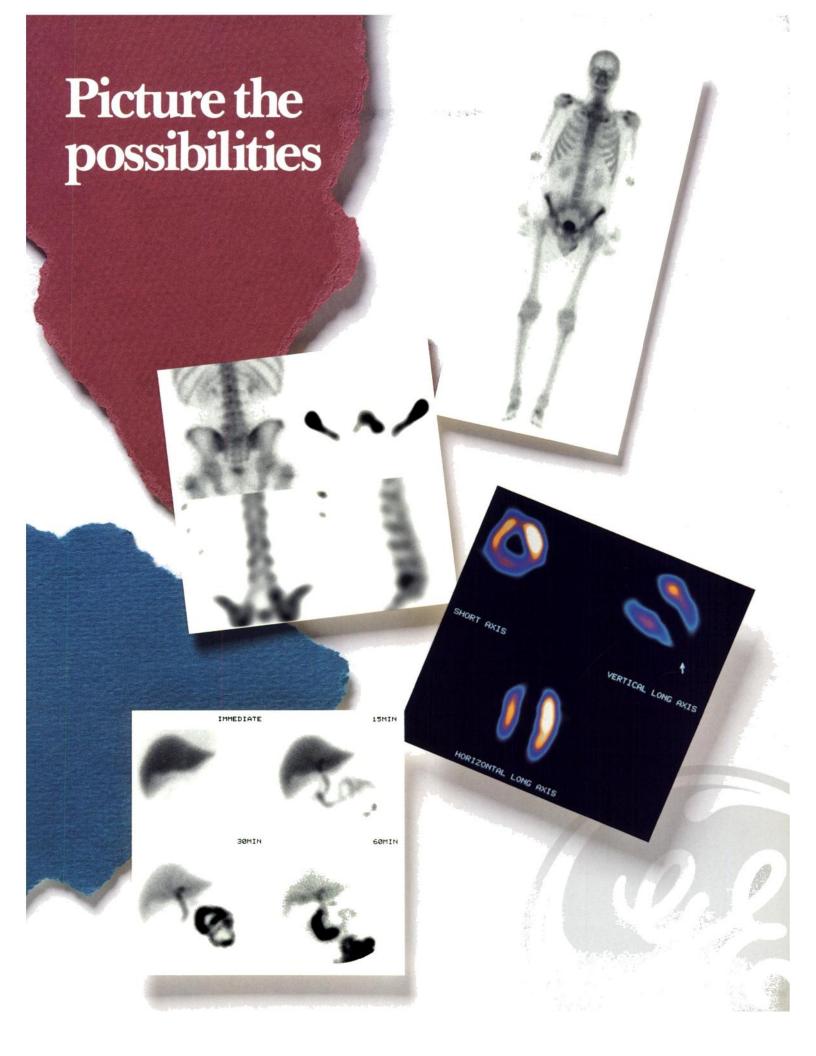
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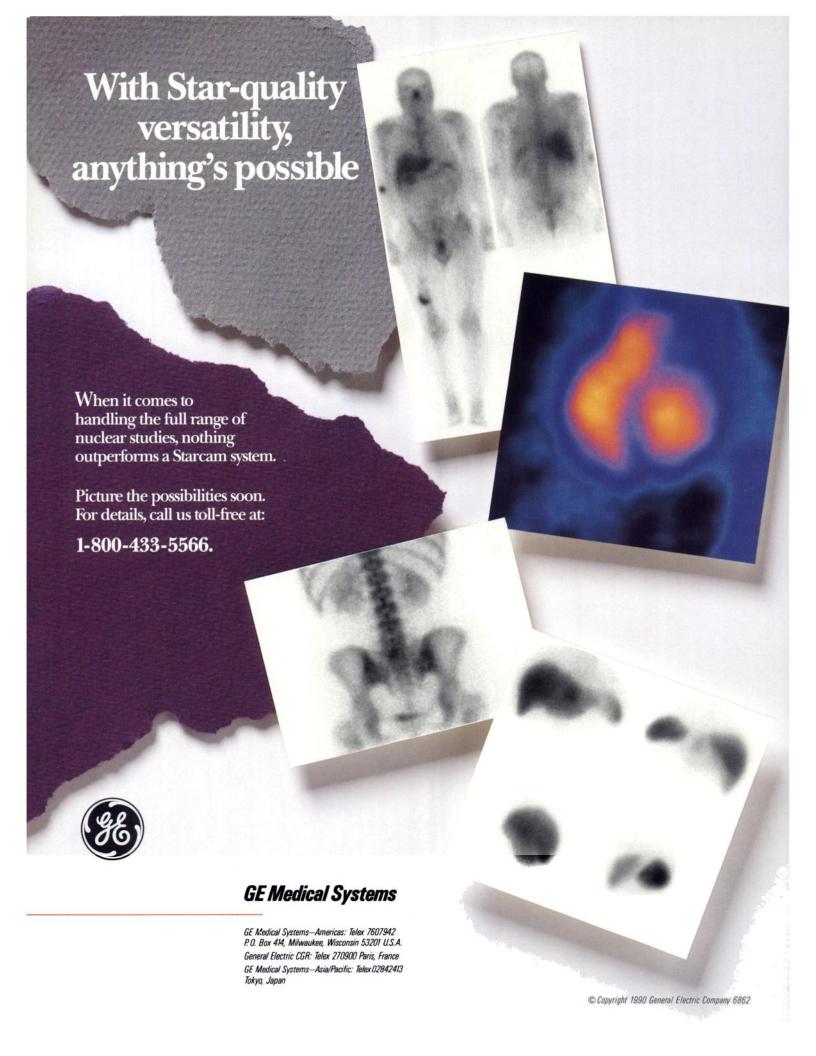
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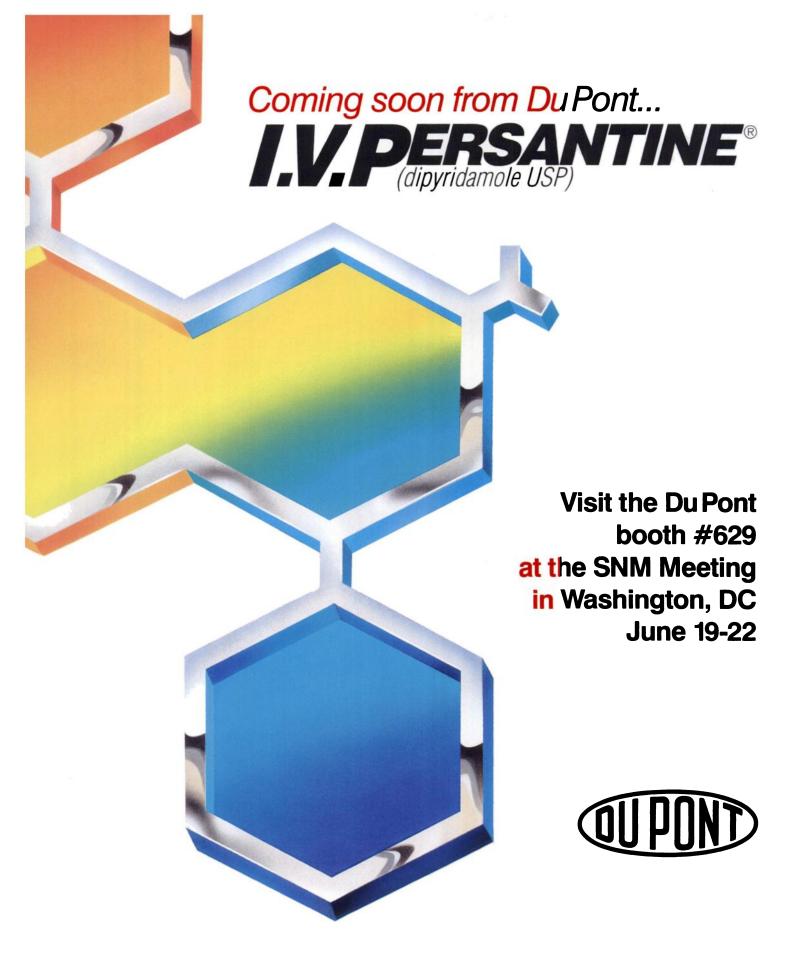
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# To everyone who helped in less than 4 years ...

When we first met, we were passionately eager to tell you about the revolutionary features of the new Cyclone 30. You patiently listened but you hardly believed a word we said. You had good reason. What we were telling you - all these benefits in a single compact cyclotron - was beyond belief. Nevertheless, you accepted our invitation to see a working prototype at our headquarters in Louvain-la-Neuve, Belgium. We sounded so sincere, and well ... you never know.

But when you saw Cyclone 30 in action, the truth dawned on you: this really was a system of a new generation. So you examined it, compared it with other cyclotrons, reported the results to your management... and then you bought it.

So did many of your colleagues: in the USA, Australia, Japan, China, Belgium. The fact is, in 1988 (its first full year of commercialization), Cyclone 30 accounted for over 75% of sales of all the cyclotrons in its class.

Many of you were even kind enough to say: "There isn't anything else in its class!"

THE WORD SPREADS Such generous praise caused the word to spread. A growing number of people became aware of IBA and the quality of our products.

Of critical importance, our name and reputation broke out of the tight circle of cyclotron specialists and penetrated deep into the world of nuclear medicine. Especially when we incorporated the innovative technology of Cyclone 30 in an expanding range of P.E.T.-dedicated cyclotrons:

- Cyclone 3-D, the <sup>15</sup>O dispensing unit, probably the smallest commercial cyclotron in the world,
- Cyclone 10/5, specifically designed for clinical P.E.T. centers,
- Cyclone 18/9, a new cyclotron designed for P.E.T. research and distribution centers.

SYNERGY WITH SIEMENS These developments prompted a flood of visitors ... including CTI and Siemens. These two fine, high-tech companies were also impressed by IBA's new technology. On our side, we were impressed by CTI's and Siemens' considerable achievement and global reach. The potential synergy was obvious.

We are therefore proud to announce that IBA has entered into a R&D manufacturing and marketing agreement with CTI PET Systems, a joint subsidiary of CTI and



# us rise from obscurity

Siemens. The agreement allows IBA to considerably expand its P.E.T. capabilities. It reserves to Siemens exclusive rights to market our P.E.T.-dedicated cyclotrons.

Combining the technologies of IBA and CTI/Siemens means an immediate upgrading of today's commercially available P.E.T. systems. Plus the promise - in fact the certainty - of even better systems to come along in the very near future.

#### **IBA: INDEPENDENT AND RAPIDLY GROWING**

Outside the field of P.E.T.-dedicated cyclotrons, IBA remains an independent company devoted to quality products like Cyclone 30. Growing rapidly, we are also introducing innovative systems in other fields, e.g. a new-concept Cyclone 230 MeV cyclotron for proton therapy.

This success over just 4 short years is not ours alone. None of it would have happened without your talent for listening to new ideas; your competence to evaluate a revolutionary technology; and your courage to take a chance with a small but **promising company**.

To everyone who helped us rise from obscurity, we take this opportunity to express our sincere and heart-felt ...



RA ..

Chemin du Cyclotron, 2 B-1348 Louvain-La-Neuve, BELGIUM

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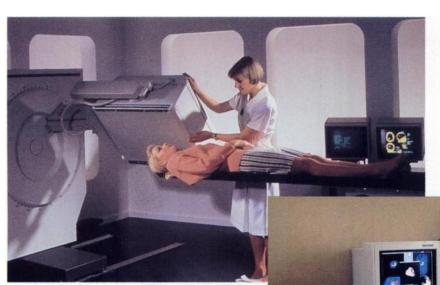
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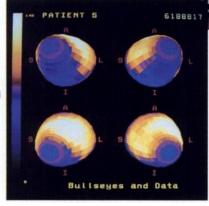
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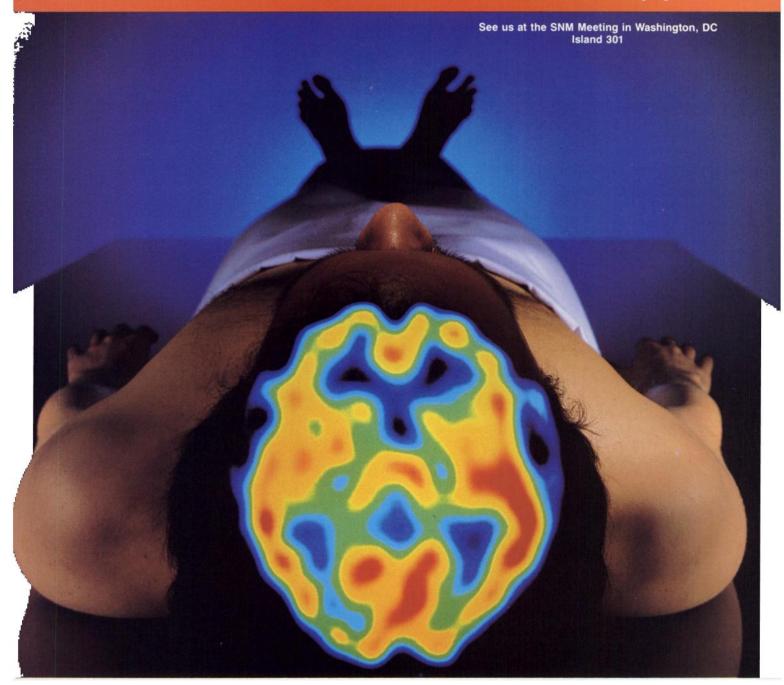
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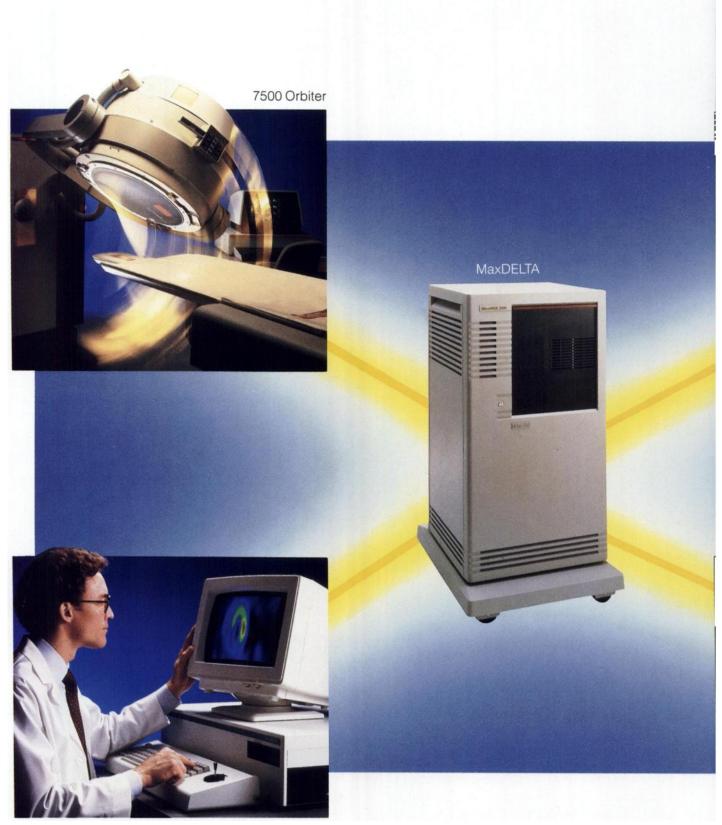
Shimadzu manufactures a complete line of superior technology medical imaging systems in Nuclear Medicine Equipment, MRI, CT, Ultrasound, vascular procedure equipment, and conventional X-ray. For more information, contact Shimadzu Medical Systems, 800-228-1429. In California, call 213-217-8855. 101 W. Walnut Street, Gardena, CA 90248-3130



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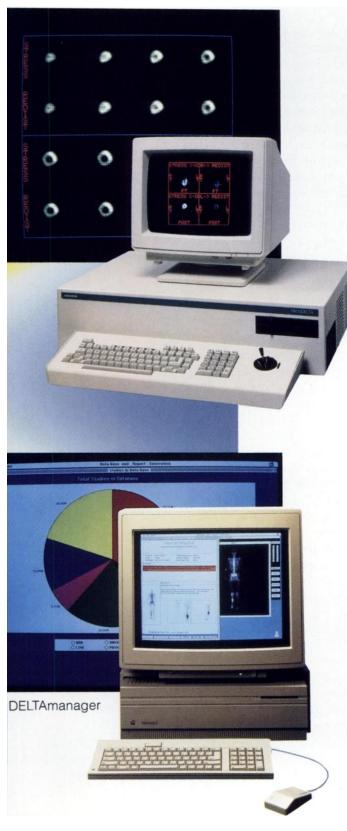
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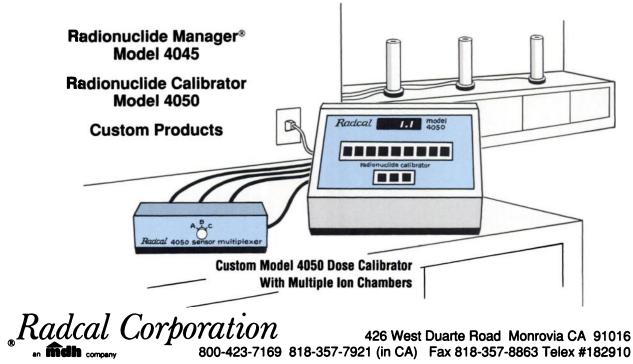
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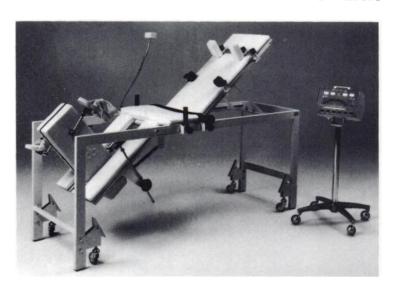


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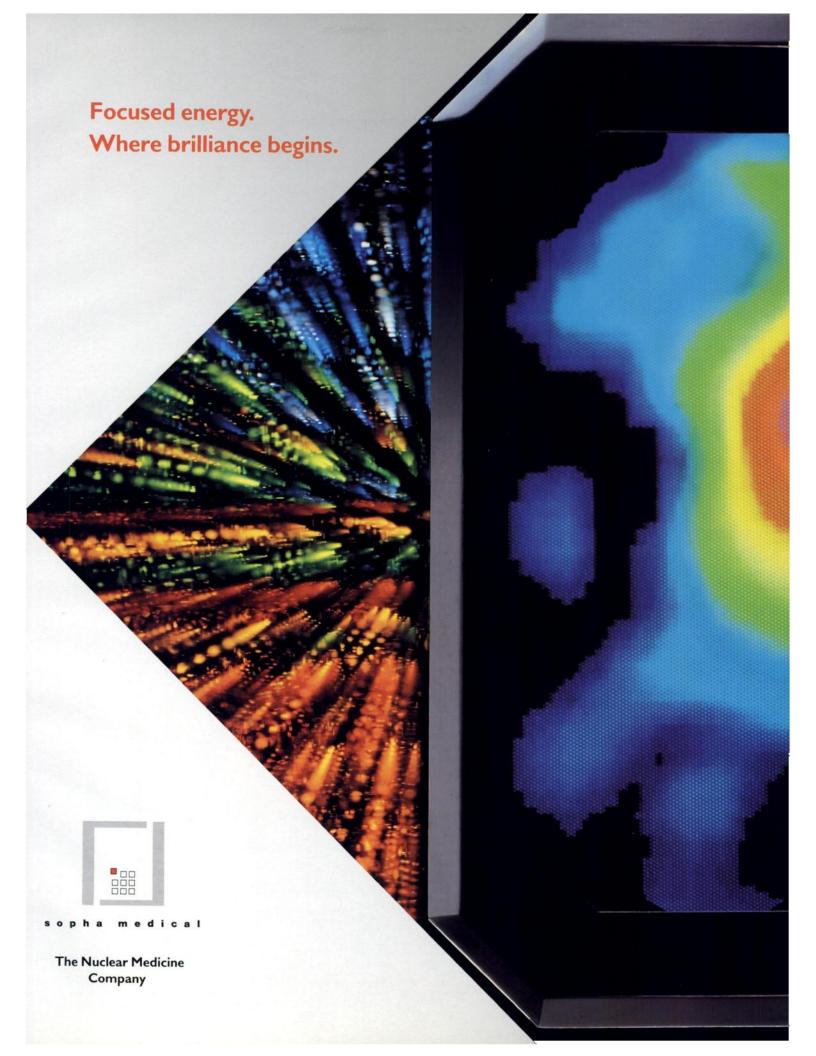
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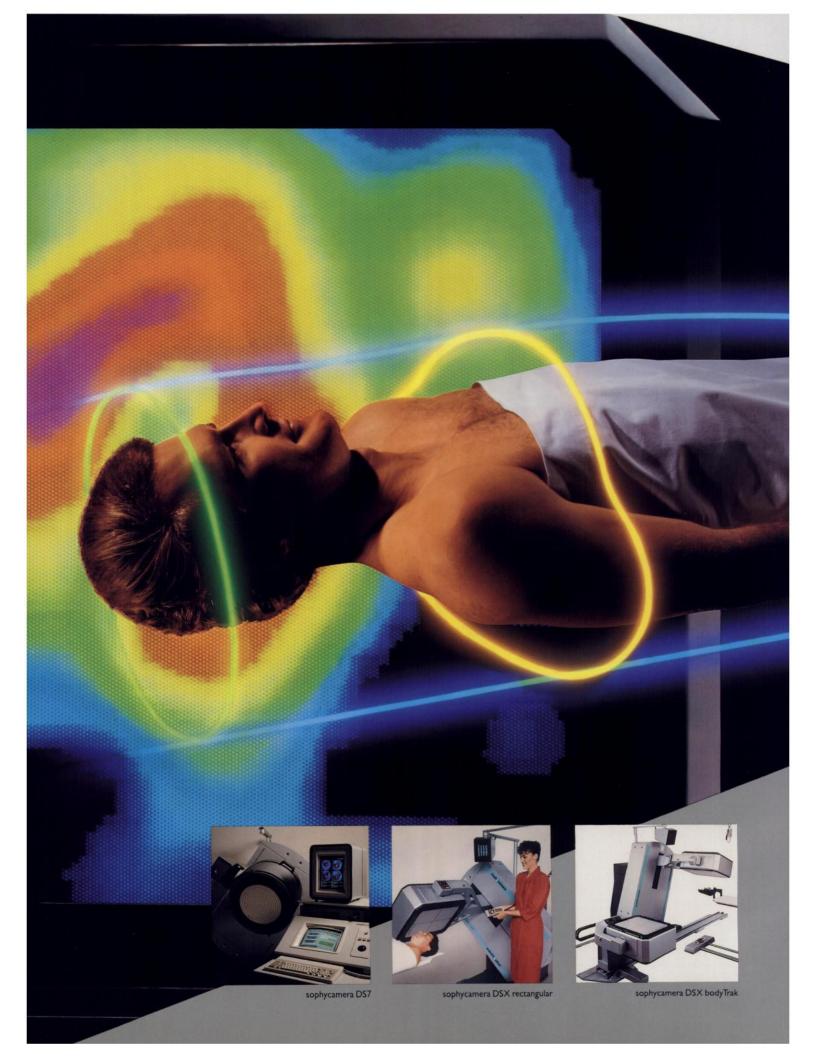
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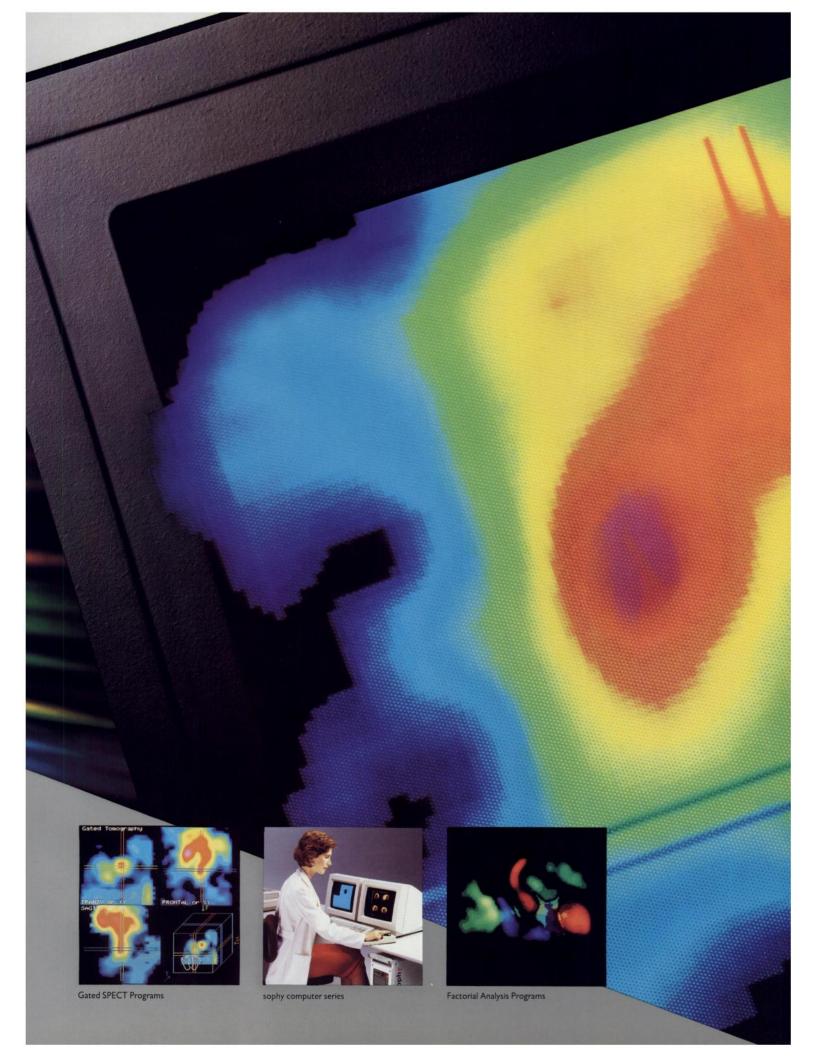
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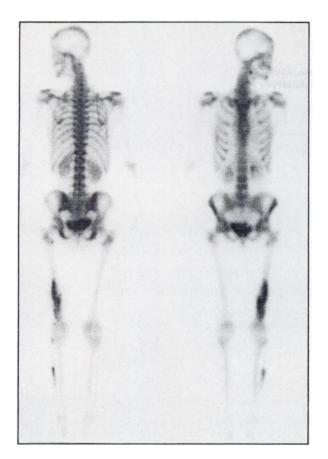
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1024 x 256 pixel bone scan printed on plain paper using the NucLear MAC 1000 dpi laser printer. Dx: osteomyelitis.

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The NucLear MAC directly acquires data from any analog gamma camera with unsurpassed speed and precision. No intermediate computers are needed. Images are displayed on the high resolution monitors of the Macintosh II series of computers with full support of their friendly user interface. Menu driven, easy to use, clinical analysis programs run nearly instantly.

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June 18, 1990

Room 33

**Washington Convention Center** 

2:00 pm - 2:30 pm 2:30 pm - 6:00 pm Registration/Reception

Symposium

Moderator: H. W. Strauss, MD

**Practical Aspects of Antimyosin Use in the Community Hospital** 

Robert F. Carretta, MD

Co-Director, Department of Nuclear Medicine

Roseville Hospital Roseville, California

Applications of Antimyosin in the Management of Patients with Cardiac Disease

Jamshid Maddahi, MD

Associate Professor of Medicine

UCLA School of Medicine Director of Nuclear Cardiology Research

Cedars Sinai Medical Center
Los Angeles, California

Deep Veneous Thrombosis (DVT): Diagnostic Imaging Update

James Seabold, MD

Associate Professor of Radiology Division of Nuclear Medicine

University of Iowa Hospitals & Clinics

Iowa City, Iowa

Relationships of Inflammation to Response to Therapy: A Common Ground for Infections and Tumors H. William Strauss, MD Professor of Radiology Harvard Medical School

Director, Nuclear Medicine Division Massachusetts General Hospital

Boston, Massachusetts

**Detection of Atheromatous Disease:** 

An Overview

Barry L. Zaret, MD

Robert W. Berliner Professor of Medicine

Professor of Diagnostic Radiology Chief, Section of Cardiology Yale University School of Medicine

New Haven, Connecticut

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For: Cardiologists, Neurologists, Oncologists, Radiologists, Nuclear Medicine Physicians and Hospital Administrators involved in ordering, performing or interpreting clinical PET studies.



The Institute for Clinical PET e

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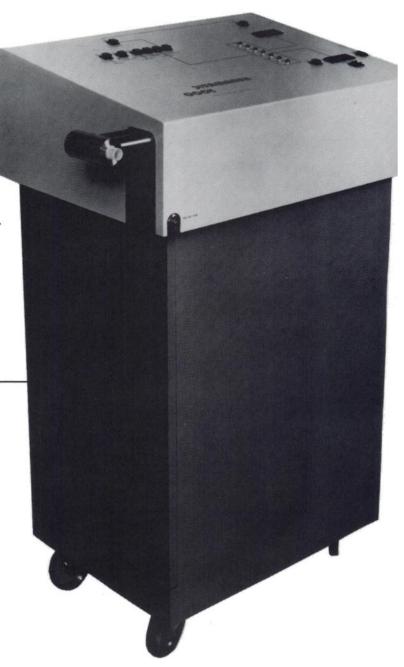
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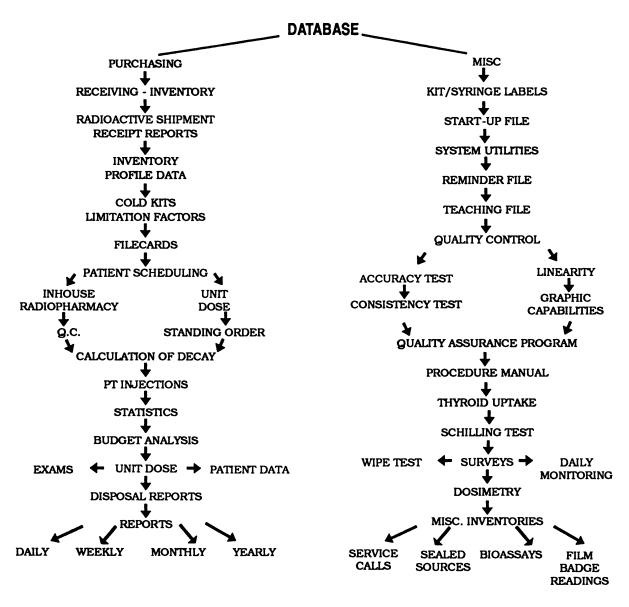
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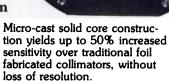
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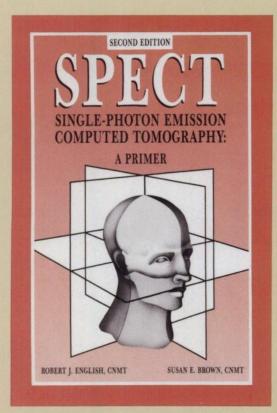
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RADIOPHARMACIST/RADIOCHEMIST. The Division of Nuclear Medicine, Department of Radiology at The University of Texas Medical Branch, Galveston, Texas has a full-time faculty position available for a radiopharmacist/radiochemist. Responsibilities include supervising and operating a clinical in-house radiopharmacy with formulating, compounding, dispensing, and quality assurance functions, teaching of fellows, residents and technologists, and collaborative and independent research. Our facilities include state-of-the-art equipment, clinical laboratory space, and research laboratory space and equipment. Requirements include an earned doctorate in radiochemistry, radiopharmacy, or in a similar field, and experience in clinical radiopharmacy. Applicants should forward a curriculum vitae, cover letter and a list of references including current employer, to Martin L. Nusynowitz, MD, Director, Division of Nuclear Medicine, Department of Radiology, University of Texas Medical Branch, Galveston, Texas 77550. UTMB is an Equal Opportunity M/F/H/V Affirmative Action Employer. UTMB hires only individuals authorized to work in the United States.

#### **Technologist**

NUCLEAR MEDICINE TECHNOLOGIST. Position available in our beautiful new 725-bed VA Medical Center, Minneapolis, Minnesota. Work with ultra modern, 4 state-of-the-art Siemens' SPECT systems with an integrated computer network. Applicants must be registered or registry eligible. Salary commensurate with experience. For a chance of a lifetime, come experience the natural beauty of the Twin Cities area with its many lakes and parks. Contact: Robert Davies, VA Medical Center, Personnel Service (O5A), One Veterans Drive, Minneapolis, MN 55417. (612) 725-2060. EOE.

NUCLEAR MEDICINE TECHNOLOGIST for San Francisco Bay Area out-patient practice. We offer a diverse range of nuclear medicine services including SPECT, dual photon absorptiometry and body composition studies, radioimmunoassay, and radionuclide therapy. Main laboratory location across the street from the University of California in San Francisco. Satellite laboratories in Marin County and Alameda, California. Registry required. Supervisory experience preferred. Excellent salary and benefits. Contact: Malcolm R. Powell, MD or Kathleen Meier at (415) 664-7400.

NUCLEAR CARDIOLOGY TECHNOLOGIST. Full-time position open in a very active research-

oriented nuclear cardiology department. Opportunity to work with the latest techniques, equipment and imaging agents in a challenging and educational environment. Applicant should be highly self-motivated with a strong interest in research. Excellent salary and benefits. Contact: Jennifer Mattera, Chief Technologist, Yale-New Haven Hospital, Dept. of Nuclear Cardiology Fitkin 2, 20 York St., New Haven, CT 06504.

STAFF TECHNOLOGIST. Exceptional opportunity to work in a growing department in Santa Barbara. Responsibilities go beyond routine scanning and include introducing new techniques, teaching student technologists, and involvement in research studies. We are seeking a dynamic, board certified individual who desires a challenging, important position. Send resume to Tricia Burke, Cancer Foundation of Santa Barbara, 300 W. Pueblo St., Santa Barbara, CA 93105.

NUCLEAR MEDICINE TECHNOLOGIST. St. Vincent's Hospital & Medical Center of New York, an 813-bed university teaching hospital, affiliated with New York Medical College, has an opportunity for a Nuclear Medicine Technologist. The successful candidate for this full-time day position must have Registry membership, AART-NMTCB-ASCP. New York City Laboratory license is required. Conveniently located in the heart of one of Manhattan's most central, accessible and liveliest areas, Greenwich Village, St. Vincent's is at the forefront of advanced care and innovation with a supportive work environment. We provide a competitive salary and a full non-contributory benefits package. Please call or send resumé to Nancy Goldstein, 212-790-7889, St. Vincent's Hospital & Medical Center, New York, NY 10011. An Equal Opportunity Employer M/F.

NUCLEAR MEDICINE TECHNOLOGIST: The Richmond VAMC, an 800+ bed teaching facility, has an immediate staff position in its growing and progressive department. We are located in central Virginia, two hours from Washington, DC, the beach and the mountains, with a moderate cost of living. Applicants must possess a Bachelor's Degree in Nuclear Medicine and be registered/registry eligible. Competitive salary and benefits. Relocation expenses are authorized. Call or send resume to Michael T. Hackett, Chief Technologist, Nuclear Medicine Service (115), Richmond, VAMC, 1205 Broad Rock Boulevard, Richmond, VA 23249, (804) 230-1315. McGuire VA Medical Center is an Equal Opportunity/Affirmative Action Employer.

NUCLEAR MEDICINE TECHNOLOGIST. Immediate full-time opening for a certified Nuclear Medicine Technologist in an established outpatient lab in the Miami area. Candidate should have experience in SPECT imaging, general imaging, nuclear cardiology and computer capabilities. Bilingual (English/Spanish) a plus. Excellent salary and benefits. Contact Mr. Castro at (305) 324-0424 or submit a resumé to: Drs. Gottlieb & Block, 1150 N.W. 14 Street, Miami, FL. 33136.

NUCLEAR MEDICINE PET TECHNOLOGIST. The University of Pennsylvania has an immediate full-time opening for a certified nuclear medicine technologist to work in our PET imaging facility. Our center has two PET scanners and the research activity is predominantly in the area of neurological and cardiac PET. The successful candidate will be a highly motivated individual with a good technical aptitude who works efficiently with a minimum of supervision. This is an excellent opportunity for an experienced NM technologist to acquire PET experience in a challenging and stimulating environment. The University of Pennsylvania is an equal opportunity, affirmative action employer. Address applications and inquiries to: Nicole T. Ranger, MSc, Division of Nuclear Medicine, Hospital of the University of Pennsylvania, 110-Donner Bldg., 3400 Spruce St., Philadelphia, PA, 19104. (215) 662-6919.

Your doorway to Hawaiian Horizons is Kaiser Permanente in Honolulu. We have an immediate opening for a NUCLEAR MEDICINE TECHNOLOGIST at the Moanalua Medical Center near Pearl Harbor. The successful candidate must be a graduate of an approved

program in nuclear medicine technology, or must be certified in nuclear medicine technology or be certified eligible. Two years nuclear medicine experience preferred. Kaiser Permanente is a leading national HMO which offers challenging professional opportunities and advancement potential both locally and nationally. The Nuclear Medicine function in Hawaii Region is based in the Diagnostic Imaging Department. Staff in this department includes 3 full-time Nuclear Medicine Technologists using two cameras, one of which is a state-of-the-art ECT. In addition to a multifaceted, progressive environment, Kaiser offers an excellent salary and benefits package: comprehensive employer-paid health insurance, major medical, dental, group life insurance, temporary disability insurance, worker's compensation, tax sheltered annuity, employer-paid retirement plan, 10 paid holidays, sick leave and two weeks vacation after one year of employment. Please direct all inquiries to Acting Diagnostic Imaging Manager Patricia Price at (808) 834-9742. Ask about our relocation allowance. An Equal Opportunity Employeer.

NUCLEAR MEDICINE TECHNOLOGIST. Fulltime position for a registered or registry eligible Nuclear Medicine Technologist in a small but progressive community hospital in northeastern Utah. The Vernal area provides excellent recreational areas for downhill and cross-country skiing, backpacking, fishing, water skiing, etc. Excellent salary and benefits. Moving expense allowance. Our Hospital is affiliated with HealthTrust, Inc. Send resume or contact Ron Enloe, Personnel Department, Ashley Valley Medical Center, 151 West 200 North, Vernal, Utah 84078, (801) 789-3342. (An EEO Employer M/F.)

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#### **Positions Wanted**

NUCLEAR MED. PHYSICIAN, Brd. Cert. ABNM, seeks Clinical/Research position. Int. Med. background. Reply to The Society of Nuclear Medicine, Box 502, 136 Madison Avenue, New York, NY, 10016

Attending physician, BE in NUCLEAR MEDICINE and PATHOLOGY seeks position. Reply to: H. Garcia, 261 Corbin Place, Brooklyn, NY 11235.

ABNM, ABIM with clinical and academic experience at National Naval Medical Center seeks full-time position in nuclear medicine. Particular interest in nuclear cardiology and evaluation of thyroid. Reply to: The Society of Nuclear Medicine, Box 602, 136 Madison Avenue, New York, NY 10016.

ABNM, IM BACKGROUND. Young male seeks relocation. Has thriving, proven private practice experience providing totally committed and diverse nuclear med. services (including SPECT). Special interest in cardiacs and thyroids. All offers and locations considered but perfers western states. Reply in strictest confidence: Box 601, The Society of Nuclear Medicine, 136 Madison Ave., NY, NY 10016.

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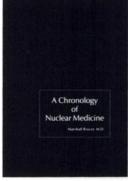
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pressed Nuclear Medicine." It is a massive compilation of data not available anywhere else.

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# RADIOIMMUNODIAGNOSTICS FELLOWSHIP AT NIH

The Nuclear Medicine Department, Clinical Center, National Institutes of Health, is accepting applications for a fellowship in radioimmunotherapy and radioimmunodiagnostics. This position requires completion of a nuclear medicine residency, with board certification (or eligibility), and some training in internal medicine. This 13-month program will include experience with the collaborating programs of the Division of Cancer Treatment including the Biological Response Modifiers Program and Clinical Oncology Program.

Emphasis will be placed on learning the relevant principles of immunology, radiochemistry, pharmacokinetics, with design and conduct of animal experimentation as well as clinical trials. Seminars, lectures and conferences deal with a variety of related subjects including biostatistics, basic immunology, cell biology, cell kinetics, immunohistochemistry, and radiobiology.

Appointments will be made as Senior Staff Fellows with an annual salary ranging between \$32,000 and \$52,825, depending upon personal qualifications. Additional benefits include health and life insurance, vacation and sick leave, and moving and travel expenses in accordance with NIH regulations.

For further information and application procedures, please contact:

Ronald D. Neumann, M.D., Chief Department of Nuclear Medicine Clinical Center National Institutes of Health Building 10, Room 1C-495 9000 Rockville Pike Bethesda, MD 20892 (301) 496-6455



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Responsibilities include planar and spect imaging, radio pharmaceutical preparations, computer acquisitions/processing and research. We perform approximately 6,000 procedures per year. Equipment includes three large field of view cameras, Quinton exercise equipment, two portable small field of view cameras, MDS A2 and A3, Medasys Paragon and Pinnacle systems.

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PITT COUNTY MEMORIAL HOSPITAL

# The Research Imaging Center of the University of Texas Health Science Center at San Antonio

is actively recruiting a qualified person for the Director of the Positron Emission Tomography Program which will be part of the newly constructed \$20,000,000 Research Imaging Center located on the campus of The University of Texas Health Science Center at San Antonio

The Research Imaging Center will contain multiple divisions including PET/SPECT, MRI, 3-D Angiography and an Image Analysis facility complete with Picture Archiving Communications System. The Imaging Center will serve The University of Texas Health Science Center and its associated Medical Center Hospital, Audie L. Murphy Memorial Veterans' Hospital, Wilford Hall USAF Medical Center, and Brooke Army Medical Center.

The P.E.T. Center will have strong research and clinical components.

Applicants should have the necessary experience to direct a major P.E.T. center and qualifications to attract extramural funding.

Salary and academic rank are negotiable based on previous training or experience.

Address inquiries to: Robert L. Leon, MD, Chairman

P.E.T. Director Search Committee, c/o Department of Psychiatry The University of Texas Health Science Center at San Antonio 7703 Floyd Curl Drive, San Antonio, Texas 78284-7792, (512) 567-5390

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## NUCLEAR RADIOLOGY TECHNOLOGIST

Full-time opening for graduate of an AMA-approved curriculum in Nuclear Technology. Must be NMTCB, ARRT-N, or certified in California. One year of clinical experience preferred.

Childrens Hospital of Los Angeles offers an excellent salary and benefits package, including tuition reimbursement. Please submit resume to: Employment Box 48, 4650 Sunset Boulevard, Los Angeles, CA 90027. (213) 669-2374. EEO/AA

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Ph.D. in Biochemistry or Immunochemistry plus 1-3 years' post-doc experience; familiarity with immunochemical techniques such as ELISA, FPLC, and gel electrophoresis necessary. Experience in radiochemistry and/or protein chemistry desired.

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# TUCLEAR MEDICINE TECHNOLOGISTS

Michael Reese Hospital & Medical Center is a nationally recognized research, teaching and referral facility. Our 57 acre campus is located on Lake Shore Drive just a few minutes from downtown Chicago. We currently have positions available for Nuclear Medicine Technologists certified or registry eligible for NMTCB or ARRT. Successful candidates must be experienced with planar imaging, SPECT imaging and RIA techniques.

We offer an excellent salary and benefits package and a convenient location close to public transportation and easily accessible from major highways. Please send resume or letter of interest to Human Resources-SMM, MICHAEL REESE HOSPITAL & MEDICAL CENTER, Lake Shore Drive at 31st Street, Chicago, IL 60616.

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# THE ST. GEORGE HOSPITAL AND COMMUNITY HEALTH SERVICES

Southern Sydney Area Health Service

inless otherwise stated, applications for the following positions including the names of two referees and quoting the reference number, should be forwarded to The Personnel Manager, St. George Hospital, Belgrave Street, Kogarah, NSW, 2217, Australia.

## DEPARTMENT OF NUCLEAR MEDICINE NUCLEAR MEDICINE TECHNOLOGISTS

Ref. No. H89/G151/367

The St. George Hospital is a 500 bed teaching hospital of the University of New South Wales, situated 10kms from the centre of Sydney. The Nuclear Medicine Department requires three experienced Nuclear Medicine Technologists.

The Department offers a comprehensive range of Nuclear Medicine techniques including cardiovascular scanning, digital analysis in vitro studies, RBC and WBC blood labelling and bone mineral densitometry.

Applicants should have experience in a wide range of nuclear medicine procedures and the use of computers. The successful applicants would be responsible to the Director of Nuclear Medicine and the Chief Technologist.

The positions are available for a twelve month or two year working holiday or on a permanent basis if desired. The hospital will assist as far as possible for application for work visa or immigration.

Working conditions include paid on-call, government financed health insurance, ten days paid sick leave if required, six and a half weeks leave plus nine public holidays. Written applications should be directed to The Personnel Manager. Enquiries may be directed to Sue Barbagallo, Nuclear Medicine Department.

Telephone: (ISD 61-2-5532490).

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## Nuclear Medical Technologist

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Pleasant, dynamic community hospital with teaching programs and radiology residency has an immediate opening for a Nuclear Medical Technologist to work as part of a professional team. Registry or eligible.

Norwalk Hospital offers excellent salaries and benefits as well as every opportunity for personal and professional growth. Please call today: Jane Soetbeer, Recruiter, (203) 852-3398. Principals only. NORWALK HOSPITAL, The Center for Advanced Medicine, Maple Street, Norwalk, CT 06856. An Equal Opportunity Employer M/F/H.



## SENIOR NUCLEAR MEDICINE TECHNOLOGIST

Our Nuclear Medicine Department has an immediate opening for a Senior Nuclear Medicine Technologist. The successful candidate must be certified or eligible for certification by the State of New Mexico, with a minimum of two years experience in nuclear medicine—supervisory experience desirable. This individual will supervise the technical and support personnel assigned to the Nuclear Medicine Department and perform duties directly involved with radioisotope procedures.

Memorial General Hospital, located in Las Cruces, New Mexico, offers excellent career opportunities, competitive salaries, and an outstanding benefits program, which includes health/dental/life/long term disability insurances, vacation and sick leave, noncontributory pension plan, child care subsidy, educational reimbursement, and much more.

Please contact:

Michael Hajworonsky, Manager Radiology (505) 521-2227



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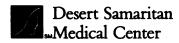
## NUCLEAR MEDICINE TECHNOLOGIST

A unique opportunity awaits a certified or registered Nuclear Medicine Technologist at Desert Samaritan Medical Center located just minutes east of Phoenix in Mesa, Arizona.

We are a 349 bed full service acute care facility and a division of Samaritan Health Services, Arizona's largest health care network. Our department has an active cardiac program, state-of-the-art equipment with SPECT capabilities, and performs a full range of diagnostic and therapeutic procedures.

Enjoy sunshine 300+ days of the year where recreational activities abound! We offer competitive salaries coupled with an excellent benefits package including relocation and tuition assistance, medical/dental plans, a 401k and more. Interested applicants please submit resume to: Human Resources, Desert Samaritan Medical Center, 1400 S. Dobson Rd., Mesa, AZ 85202 or call (602) 835-3246.

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## CEDARS-SINAI(C()S)MEDICAL CENTER

## **Director, Nuclear Medicine Physics**

Cedars-Sinai Medical Center has an immediate opening for the Director of Nuclear Medicine Physics. The responsibilities are initiating and executing new imaging physics research, aiding in the ongoing research of the Nuclear Cardiology and Nuclear Medicine Staffs, advising as to new equipment purchases, overseeing the quality assurance of cameras and clinical data processing, and teaching nuclear medicine residents and cardiology fellows. The applicant must have a PhD in physics, medical physics, or bioengineering, and several years of experience in Nuclear Medicine and Nuclear Cardiology. The applicant should also be board certified or board eligible by the ABNM or the ABR.

Please contact:

Lynne Roy, Department Manager Nuclear Medicine Cedars-Sinal Medical Center 8700 Beverly Blvd. Los Angeles, CA 90048 (213) 855-4216

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#### **ALLIED HEALTH INSTRUCTORS**

Hillsborough Community College, located in the Tampa Bay area of Florida's Gulf Coast, is seeking Allied Health instructors: Radiation Therapy Instructor to provide didactic and clinical instruction, supervision and evaluation of students, assist in student guidance and recruitment, program development and public awareness. Requires a minimum of an A.S. degree in Radiation Therapy Technology or related Allied Health area; Bachelor's degree in an Educational or Science area preferred; must have a minimum of 2 years of clinical experience as a Registered Technologist-Radiation Therapist; should have a minimum of 2 years of teaching experience, clinical or didactic, in a RTT educational program; must be registered R.T.(T), ARRT with dual registry preferred. Send applications for position #F10070 no later than 6/22/90. Nuclear Medicine Instructor to provide didactic, clinical & laboratory instruction, supervision and evaluation of students. Responsible for Nuclear Medicine program coordination, assist in student guidance and recruitment, program development and public awareness. Requires a B.S. degree in Nuclear Medicine Technology or related Allied Health area (Master's degree preferred), ARRT and/or NMTCB Registered and/or Certified NMT, minimum of 2 yrs. of NMT clinical experience, and 2 yrs. of teaching experience in an accredited NMT educational program. Send applications for position # F10060 to Hillsborough Community College Personnel Division, P.O. Box 31127, Tampa, FL 33631-3127, (813) 253-7030, no later than 6/28/90. FAX (813) 253-7136. Jobline (813) 253-7185. EOE/MF.

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## CELEBRATE NUCLEAR MEDICINE WEEK

July 29-August 4, 1990

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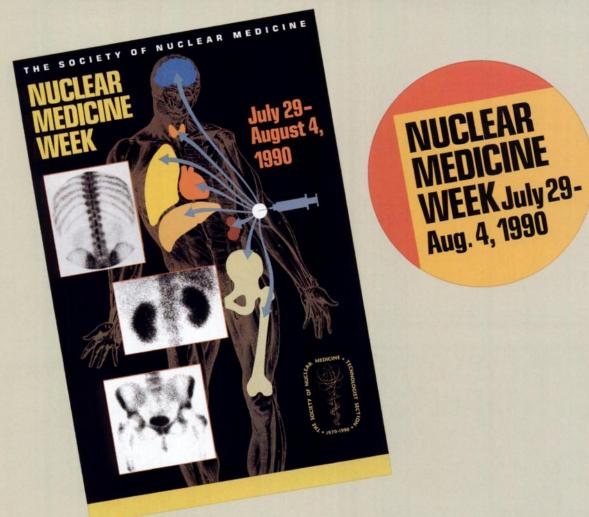
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# CELEBRATE NUCLEAR MEDICINE WEEK



This year Nuclear Medicine Week will be observed from July 29-August 4. Nuclear Medicine Week, sponsored by The Society of Nuclear Medicine and Technologist Section, was developed to educate the general public and health care professionals of the diagnostic and treatment capabilities of nuclear medicine.

Nuclear Medicine Week is the only time during the year that the entire nuclear medicine community unites to present its message. It is an excellent opportunity to reach out to those who could benefit from nuclear medicine; it is also a most opportune time to promote your facility to referring physicians and potential patients.

A new poster, button and sticker have been designed to help you promote this worldwide event in your community. In addition, a set of guidelines with suggestions to increase participation is available from the Society. We encourage all those involved in nuclear medicine to join with us to increase the awareness and improve the perception of nuclear medicine.

To purchase posters, buttons and stickers for your institution, and to receive a guidelines packet, visit the Nuclear Medicine Week booth located in the registration area of the Convention Center.



# CELEBRATE NUCLEAR MEDICINE WEEK

July 29 - August 4, 1990

The following materials are available for promoting Nuclear Medicine Week in your area.

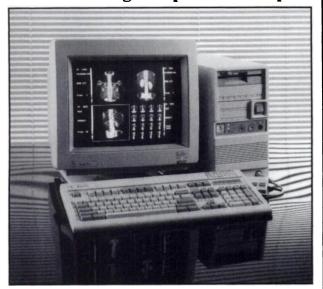
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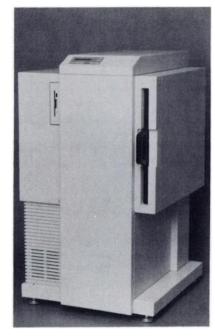
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Each description of the products below was condensed from information supplied by the manufacturer. The reviews are published as a service to the professionals working in the field of nuclear medicine and their inclusion herein does not in any way imply an endorsement by the Editorial Board of The Journal of Nuclear Medicine or by The Society of Nuclear Medicine.

#### Laser Film Recorder



Advanced Video Products (AVP) has added a multi-format laser film recorder to its product line. The AVP Compact Laser Recorder incorporates the latest advances in laser design and offers a varied selection of image formats on a single film, with a matrix of  $4096 \times 5420$ pixels and 12-bit printing. The operator has complete control of a simple menudriven interface, including a choice of formats, positive or negative printing, and 8× image magnification capability. with multiple interpolation options. A variety of safety interlocks, including cassette-in and dark slide-out, highlight the error-free operation of the system. The Recorder utilizes standard, redsensitive X-ray film; special laser recording film is not necessary. Advantages to using standard film include availability from a wide variety of suppliers, ability to consolidate film purchases, and reduction of overall film inventory. The Recorder utilizes an 80286 computer, an internal disk for image spooling, and a flexible host interface to accept input from a variety of scanners, including MR, CT, and computed radiography. Network communication provides compatibility to AVP's entire PACs product line, and to SCSI, DRIIW, Ethernet, and Token Ring as well. A stored image can easily be output to film from any location, regardless of the configured network's features. The Recorder is very compact,  $21"\times24"\times35"$ , making it ideal for mobile communications. Advanced Video Products, 543 Great Road, P.O. Box 1450, Littleton. MA 01460, Attn: Henry Kunicki. (508) 486-0024.

Circle Reader Service No. 101

#### Multi-image Module

Nikon introduces the Multi-Image Module that allows users to see and record two images simultaneously. The Module is designed to be used with the Nikon Diaphot inverted microscope, which has two image ports. The intermediate image from the microscope's photo port is relayed to a four-position dichroic filter module. From this point, the beam can be divided between or directed solely to either of the two ports. If the image is directed to both ports simultaneously, the image is divided with a dichroic beam splitter. Any imaging device that uses a "C" mount, Nikon video and photometry adapters, or Nikon Microflex photomicrographic accessories can be attached to the image ports. The Multi-Image Module uses real-time ratioing that allows levels of both fluorochromes to be measured at exactly the same instant. The system also allows researchers to switch between video-based and photometric detectors with minimal manipulation of the microscope. Nikon Inc., 623 Stewart Avenue, Garden City, NY 11530, Attn: Instrument Group. (516) 222-0200.

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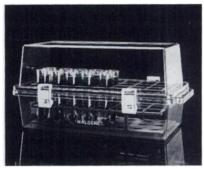
## **Spectroscopy Amplifier**

EG&G Ortec introduces a new high-rate spectroscopy amplifier, Model 973, that provides improved energy resolution when used with a germanium detector for high-rate gamma-ray spectroscopy. The

amplifier delivers an ultra-high throughput that is four times higher than conventional amplifier throughput. The heart of this single-width NIM module is an 8pole gated integrator that reduces dead time and eliminates the ballistic deficit effects caused by gamma rays interacting at different locations in the germanium detector. This permits excellent energy resolution to be obtained at ultra-high counting rates. The amplifier's performance is further optimized through automatic noise discriminators and gated baseline restorers that make skilled operator adjustments unnecessary. Resolution is excellent even in electrically noisy environments due to incorporation of differential outputs and common-mode rejection transformers. EG&G Ortec, 100 Midland Road, Oak Ridge, TN 37831, Attn: Sanford Wagner. (615) 482-4411 or (800) 251-9750.

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### **Closed-System Carrier**



Nalge Company has designed a new closed-system carrier that will help protect lab workers from hazardous substances during transportation of sample holders or tubes. The Nalgene Bio-Safe™ Carrier can accommodate Nalgene Unwire™ Test Tube Racks or other brands of racks with similar dimensions. Made of polycarbonate, the carrier is tough and shatter-resistant, while the contents are easily visible. The carrier features molded-in handles that are easy to grasp and side clamps that securely hold the carrier closed, assuring a leakproof seal. If biohazardous material is spilled within the carrier, the carrier and its contents can be autoclaved and disposed of without opening the clamps, so that carrier handlers can avoid exposure to hazardous material. Marketing Communications, Nalge Company, A Subsidiary of Sybron Corp., Box 20365, Rochester, NY 14602, Attn: Jorge M. Pardo. (716) 586-8800.

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New Products 67A

## **SIEMENS**



image courtesy of T. Matsuzawa, M.D. Sendai, Japan

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