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iupui

POWERFUL LINEAR ACCELERATOR ARRIVES ON CAMPUS

Monday was an historic day for Indiana Lions, the culmination of a three-year, \$750,000 campaign to improve the quality and availability of care for Hoosier cancer victims.

It also was a red-letter day for the Indiana University School of Medicine.

Monday was the day the 40-Million Electron Volt Linear Accelerator, purchased with money raised by Hoosier Lions Clubs, was delivered to the Medical Center.

The accelerator, built in France by the Compaigne Generale Radiologique, will enable the I.U. Department of Radiation Therapy to reproduce any treatment or treatment plan now in use anywhere in the world, according to Dr. Ned Hornback, department chairman. It is the only one of its type in the country, and it will produce more powerful radiation electron beams for medical treatment of cancer patients than any other currently available.

The accelerator, which will spit electrons out at nine-tenths the speed of light, is installed in a building constructed mostly underground next to University Hospital to which it is connected at the basement level. This structure, built by the University as part of the recently completed Phase 2-A of the hospital, has solid cement walls and a roof six feet thick. Interior walls are four feet thick to shield operators from the high energy beam.

In 1947, Dr. John A. Campbell, then chairman of the Department of Radiology at the Medical Center, met with Walter L. Shirley and trustees of the Lions Club Cancer Control Project of Indiana to propose a program of financial support for the development of a medical school-oriented center of patient service, education and research for the state of Indiana in the field of cancer control, using radiotherapy.

Until the fall of 1970, the Lions Clubs furnished more than \$480,000 for equipment, treatment machines and research studies. This included the acquisition of the first Cobalt unit in the state, and a second rotating Cobalt therapy unit as a supplement to the first. These, plus most of the supporting equipment acquired through the years, are still used and will be moved to the new building.

Thus, the Lions Clubs of Indiana have been responsible for raising more than \$1,125,000 for cancer treatment equipment at the Medical Center.

And the Lions are already working on an additional \$140,000 for a simulator to go with the 40-MEV accelerator--an instrument that will make it possible to pinpoint exact treatment plans on the big machine. Other accessory equipment, clinical cancer research projects, and additions to the radiotherapy library also will be financed by the Lions.

Today, in spite of the fact that more cancer patients are being saved each year with radiation, more people are dying from cancer than ever before. This is due to the increase in population, also to the fact that many people who have cancer cannot be treated with the X-ray equipment that has been available.

The new development, the 40-MEV Linear Accelerator, is designed to treat large numbers of people who could never before be treated with X-rays.

The accelerator is 40 times more powerful than existing Cobalt machines. It has the advantage of producing not only X-rays but a new treatment ray known as the electron beam. This electron beam is intensely powerful and can be directed at the cancer and then be essentially stopped before striking deeper vital organs.

A team from the Atomic Energy Company Limited of Canada, an affiliate of the French company, will arrive this week to do the mechanical installation of the accelerator, a task that will take two or three weeks. Then a team from France will come to make the electrical connections, which will take another month.

A third team will come from France to do the final acceptance testing, after which Dr. Vernon Leininger, physicist for the Department of Radiation Therapy, will spend several weeks calibrating the machine and checking the accuracy of the treatment beams. The machine should be ready to treat patients in early December.

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PASS IT ON

4 The IUPUI Office of Veterans' Affairs wants to pass the word that the eight-year delimiting date has been extended to 10 years.

It is expected that the measure will provide immediate relief to some 285,000 post-Korean veterans, currently in education and training, whose eligibility for benefits expired at the end of June.

For these veterans, who were discharged between January 31, 1955, and June 1, 1966, the new delimiting date is July 1, 1976. This law became effective this July 1.

A conference committee will soon be meeting to iron out the differences between comprehensive G.I. bills that have already passed the Senate (S.2784) and the House (HR.12628). Anyone who wants a copy of the July issue of Veterans OVAview may call the OVA at Ext. 7425.

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GREEN SHEET FRIENDLY CAR POOL BROKERAGE AND HITCHHIKE AVOIDANCE SYNDROME

Ride Needed -- To 615 S. Laclède (4900 West Washington), evenings at 11:30 from University Hospital. Call 241-3550 between 10 a.m. and 1 p.m.

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NEWS 'N' NOTES FROM HERE 'N' THERE

Appointed -- Courtney H. Smith has been appointed director of instructional communications and educational resources at the School of Nursing. A native of Louisville, Kentucky, he received his undergraduate degree from the University of Louisville and graduate degrees from I.U. Formerly co-ordinator of the audiovisual program for the Maplewood School in South Orange, New Jersey, Smith fills the post left by Howard Langhoff who accepted a position in Chicago.

Displays -- Pharmacy displays this week in University Hospital are Roerig Co. on Monday and Hoechst Pharmaceutical Co. on Wednesday. Times are 8:30 a.m. to 3:30 p.m.

Curtain Up -- Mrs. Richard F. (Dian) Malone, associate faculty member in the Speech and Theater Department, is directing a production of "Once Upon a Mattress" at Fort Benjamin Harrison. The musical is being performed in the Gates Lord Hall Auditorium at the fort Wednesday through Saturday (July 31-August 3) at 8 p.m. and Sunday (August 4) at 2 p.m.

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IT ALL ADS UP

House For Sale -- Butler-Tarkington area, remodeled Dutch colonial, three bedrooms, fireplace, separate dining room, den, new carpeting, new roof, full dry basement. Middle \$20s, conventional purchase only. Call 257-6049.

For Sale -- Four-bedroom townhouse, 1½ baths, new furnace, air-conditioned, humidifier, aircleaner, carpeting, shutters, patio, front-door parking, \$25,000, assumable mortgage at 5¼ per cent. Gateway near I-465 and I-65. For sale by owner. Call 293-6093 or 923-1321, Ext. 395.

For Rent -- Mini Motor home, sleeps 4 to 6; open August. Call 293-4417 or Ext. 7277.

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HONORS & ACCOLADES

Mrs. Elaine Fess, instructor in occupational therapy, has been elected president of the Indiana Occupational Therapy Association. She will serve in this position until June 30, 1976.

Dr. Merrill Grayson, professor of ophthalmology, has been elected to the American Ophthalmological Society.

Edmund Byrne, associate professor of philosophy, has been selected by the I.U. Alumni Association to lecture at the annual I.U. Alumni Family Camp next week at Camp Brosius, Elkhart Lake, Wisconsin.

Carol Cecere, associate professor of nursing, and Patricia J. Blake, assistant professor, have received certificates as Pediatric Nurse Associates.

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TRAVELLERS

Dr. Hanus J. Grosz, professor of psychiatry at the Institute of Psychiatric Research, spent a week last month in Copenhagen chairing daily sessions on "Propranolol in the Treatment of Alcohol and Heroin Addiction" at the Fifth International Institute on the Prevention and Treatment of Drug Dependence. He also addressed faculty conferences in London and Prague before returning home.

Dr. LaForrest D. Garner, chairman of the Department of Orthodontics at the School of Dentistry, will be in Honolulu this week to speak at the University of Hawaii.

Mrs. Jeannette M. Matthew, acquisition librarian at the Blake Street Library and director-at-large of the Indiana Chapter of the Special Libraries Association, attended the organization's recent annual conference in Toronto, Canada.

Several members of the School of Nursing faculty attended the recent convention of the Association for the Care of Children in Hospitals. Attendees in Chicago were Carol Cecere, Patricia Blake, Ann Schmidt and Beth Richardson.

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