

★ ★ ★ Medical College News ★ ★ ★

Radiation Methods Used By NU Medical School

Radioisotopes have been utilized in the diagnosis and treatment of disease at the University College of Medicine since September, 1947.

The program is supervised by the Atomic Energy commission, composed of H. B. Hunt, chairman, Harold C. Lueth, dean, A. Ross McIntyre and Herbert Jacobi. The radioisotope laboratories are located in the department of Radiology and are supervised by the personnel of that department. A chemical laboratory is required for preparation, standardization, storage and dispensing of isotopes.

A physical laboratory is required for assay of radioactivity, in evaluation of patients, control of dosage and detection of contamination. Special precautions are essential to prevent contamination of equipment, premises and to avoid over-exposure of personnel to radiation.

New Method Offered

Radioisotopes offer a new method for the internal administration of radiation, being distributed selectively to the body tissues according to the metabolism of the particular element administered. Radioiodine is concentrated in the thyroid and its effects are limited primarily to that one gland.

Dramatic improvement has occurred in the treatment of toxic thyroid goitre in which the response has been comparable to that following surgery. One cancer of the thyroid remains under control following large doses of radioiodine, surgery and X-ray treatment. Radiophosphorus is accumulated in the bones adjacent to the blood forming marrow, wherein it reduces excessive formation of red blood cells and white corpuscles. All patients with polycythemia vera have benefited and a few have been in complete remission for some months.

The radiological staff participating in the program has prepared themselves for the responsibilities of clinical and research application of atomic medicine by attendance at a three weeks course in nuclear physics at the University of California; a conference on "The Medical Aspects of Atomic Explosion" held at Walter Reed hospital, Washington, D. C.; a conference, "Isotope Survey," at Argonne National Laboratories, Chicago, Ill., and a "Symposium on Radioiodine" held at Brookhaven National Laboratory, Upton, N. Y.

Cases Treated by Radioiodine

During the past year, 21 cases of toxic thyroid goitre and several cases of cancer of the thyroid have been treated by radioiodine. Eleven cases of polycythemia vera and seven cases of leukemia have been treated by radiophosphorus. Many test doses of radioiodine have been administered for evaluation of thyroid activity, and radiophosphorus has been used for evaluation of malignant change in superficial tumors of the breast. Basic research is being conducted by Robert C. Rosenlof in the departments of Anatomy and Radiology concerning the effect of radiophosphorus on hematopoiesis through an Atomic Energy Fellowship.

Dr. Howard B. Hunt, chairman of the department of Radiology and Physical Medicine is also chairman of the Atomic Energy committee and of the Cancer Control committee at the University College of Medicine. He was elected president of the Rocky Mountain Radiological society at Salt Lake City in August, was re-elected treasurer of the American Radium society and secretary of the Nebraska division of the American Cancer society. He is counselor for the Radiological society of North America.

Nurses' Notes

The Big Sisters of Conkling hall honored their Little Sisters at a costume Halloween party Oct. 27, between the hours of 7:30 and 10:30. Witches, spooks, corpses, devils, and even angels were represented; but the prize was awarded to Emarie (Oscar) Fraas as Superman.

Capable judges were Director of Nurses, Miss Kyle, and the Nursing Staff. Bobbing for apples and scavenger hunting for items ranging from placenta cords to interns occupied most of the evening. Doughnuts, apples and hot chocolate climaxed the party.

The Junior class of Student Nurses will be hostesses to the faculty, staff and students of the medical college at a Thanksgiving Tea to be held Tuesday, Nov. 23, at Conkling hall between the hours of 2 and 4 p. m. Piano selections will furnish the entertainment for the afternoon.

As a means of earning money and keeping the girls of Conkling hall satisfied with eats at night, the student council has been selling food twice a week on Monday and Tuesday nights. A committee of four girls with Joyce Miller in charge, handles the delivery service on the respective nights from 8 till 10. Profit from the sales will benefit the student body.

The student nurses sponsored a dance for the medical students and friends on Friday evening, Nov. 5, in the lower lounge of Conkling hall. The main event of the evening was a turkey raffle which was won by IRV BRAVERMAN, a senior medical student. Coffee and doughnuts were enjoyed throughout the dancing and between dances.

We are happy to welcome a new member to our school of nursing staff, Miss Caswell, a former graduate of this school, is now in charge of the pediatrics department.

School of nursing will present on Friday, Dec. 3, a Gay Nineties Review. This gala affair is to be held at Conkling hall in an atmosphere of the old gay nineties with roulette wheels, the traditional bouncer, a fashionable "can-can," barbershop quartettes, and in a setting of that era.

A king and queen (replica of Diamond Jim Brady and Lillian Russell) will be elected. An additional attraction will be a horse and buggy for slow rides around our beautiful campus (the moon is to be furnished, atmosphere will have to be provided by those attending). Girls will wear fashions of the times and boys will be furnished mustaches; however they may also come in their own attire.

So if you possibly "can-can"—come.

Rally Friday at 7:30 p.m. at the Coliseum. Tassels will please wear uniforms. Also Tassels meet in card section at stadium at 8:15 Saturday morning.

All-School Dance Friday Evening

Tonight is the night! the Student Activity Council of the University of Nebraska College of Medicine and school of nursing presents the 'Autumn Dance.' Lee Baron's ultra-smooth music is to provide background for this first all-school dance of the year.

The price is \$1.50 and the dress is semi-formal. Advance ticket sales indicate an exceptionally good crowd this year, so plan to attend!

MedStudents' Wives Plan New Activities

Mrs. Patricia Hahn, newly elected president of the Medical Students' Wives club, has announced the intention of the club to expand its activities.

Future plans for the club are to purchase and distribute Christmas gifts for the children of the pediatrics ward of the University hospital. Reading to the children, taking them out for airings, and providing other entertainment will also be done by members in their free time thruout the year.

Group Organized in 1930
The group was organized in 1930 by the wives of the students of the College of Medicine, its object being to serve the University hospital and to give the members a chance to become better acquainted.

Meetings are held the second Wednesday of every month at Conkling hall, with the usual program consisting of a business meeting, entertainment and reports of the progress of the club's projects. The main project recently has been the preparation of layettes for the University hospital.

Sponsors Benefit Dance
For the past five years the organization has sponsored benefit dances for the Children's Memorial hospital and has to date contributed a total of \$2,000. This year the dance will be held Feb. 5 at the Omaha Field club.

The membership of the club has grown from 64 members in 1937 to its present membership of 190.

TONIGHT IS INFORMAL COLLEGE NIGHT

at

KINGS

The Gay Mite Spot



Wear Rally Clothes
Dancing 9 until 12

Couples Only

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Tax Included

Gustavson Will Address Med Convo December 2

The Chancellor's Convocation will be held Thursday, Dec. 2, at 11 a. m. in the North amphitheater. Chancellor Gustavson will talk on the subject of recent advances in Sweden. His return from Sweden this past month makes him an authority on this subject. As he intends to discuss the scientific advances in Sweden it will be of particular interest to all students in the medical school.

The important role of Sweden in the world of medicine was accentuated again this year with the choice of the Swedish physicist Tesalius for the Nobel Prize in physics for his work on electrophoresis in combination with optical methods as a means of determining the size of protein molecules. Few recent discoveries have been so instrumental in the advance of the basic science work.

No introduction of the qualifications of Chancellor Gustavson is needed. The convocation will offer all a chance to again see and hear one of the great figures in contemporary science, and one, who along with Dean Leuth, has been most responsible in the recent tremendous gains in prestige of the University of Nebraska as a center in Medical progress.

Captain Erman, '43, Visits Med School

Captain Eugene Erman, M. C., class of 1943, who has a residency in Thoracic Surgery at Fitzsimons General Hospital, Denver, visited the medical school this past week while en route from Pennsylvania to Denver. He had just completed a six-week course in Bronchoscopy at Temple University and Saranac Lake.

Ticket Holders

All students who have secured tickets for the Dimitry Markevitch concert to be held Sunday in the Union, but who do not plan to go, are urged to return the tickets to either the Union office or the office of the School of Music. Many music lovers are being turned away due to the scarcity of the tickets.



"Make mine Seventeen," says campus Junior

Seventeen Cosmetics are first choice of campus lovelies everywhere. They depend on these fine quality cosmetics for skin care, for glamorous makeup. And well they may! For Seventeen Cosmetics are free as possible of allergy-causing ingredients... are priced to fit, oh so smoothly, into campus budgets.

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MAIN FEATURES START

LINCOLN: "Road House," 1:20, 3:24, 5:29, 7:34, 9:39.

STUART: "Johnny Belinda," 1:00, 3:00, 5:00, 7:02, 10:19. Sneak Preview, 8:43.

NEBRASKA: "Eagle Squadron," 12:55, 4:30, 8:02. "Gung Ho," 2:57, 6:26, 10:04.

CAPITOL: "Mr. Peabody and the Mermaid," 1:12, 4:33, 9:47. "Luxury Liner," 2:42, 6:03, 9:51, Stage 7:58.

LINCOLN

NOW 44c to 6
DOORS OPEN 12:45

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CORNEL WILDL
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RICHARD WIDMARK

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Where Anything Can Happen!

TUE.: BETTY GRABLE in Color!

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JANE WYMAN
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"JOHNNY BELINDA"
with LEW AYRES

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NEBRASKA

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ALL TIME HITS!
RANDOLPH SCOTT
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AMATEUR NITE!
On Our Stage at 8:00!
4 TOP ACTS!
Singers! Dancers! Musicians!
—On the Screen—
JANE POWELL
GEORGE BRENT in
"LUXURY LINER"
in Technicolor
Plus!
"Mr. Peabody and the Mermaid"
25c to 6 • Kids 9c

Sunday! "Tap Roots" in Technicolor Plus "Checkered Coat"