



DR. JAMES T. CLELAND

## Cleland Fund

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Awarded the degree of Doctor of Divinity by Davidson College and Glasgow University, he has served as lecturer, professor and visiting professor at numerous theological institutions and universities, and he is the author of *The True and Lively Word, Wherefore Art Thou Come, Preaching to be Understood and He Died As He Lived*.

Income from the endowment fund, which already totals more than \$95,000, will provide for distinguished visiting preachers and musicians, development of the choral program and the general enrichment of chapel worship.

In order for the programs to become fully operative, the sponsoring committee hopes that the future donations of friends and colleagues will match the amount already contributed.

Pledges, which may be made over a three-year period and are tax deductible, will count toward Epoch Campaign giving.

Checks should be made payable to Duke University for the Cleland Chapel Fund and mailed to 2127 Campus Drive, Durham, N.C., 27706.

## Trading Post

You may send ads to "Trading Post," Box 3354, Hospital. Ads are printed free, but we do not advertise real estate, personal services or commercial enterprises. Please give your home telephone number. Duke extensions will not be listed.

FOR SALE—1970 blue Karmann Ghia, \$1,350. Call 286-0726 and ask for Nellie.

FOR SALE—30" Hotpoint electric Drop-in range, tawny gold, black glass door, plug-in surface units, clock and four hour timer, \$200 firm. Call 477-7543.

FOR SALE—Sears Coldspot air conditioner, 6,000 BTU, \$30; Kenmore washing machine, \$60; and dinette set with four chairs, \$25. Call Charlotte Locher at 688-8679.

FOR SALE—Pair of white clinic shoes, just about new, will sell for \$7. Call 682-1371 after 6 p.m.

FOR SALE—Table with four chairs, recliner, swivel chair, belt vibrator and electric stove (white). Call 471-1205.

## Intercom

is published weekly for Duke University Medical Center employees, faculty, staff, students and friends by the Medical Center's Office of Public Relations, Joe Sigler, director; Miss Annie Kittrell, secretary.

Co-Editors

DAVID WILLIAMSON  
DALE MOSES

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## Continuing Education Offers Two Courses

Formal education was once thought of as a vaccine that would prevent ignorance later in life. As society changes, the need for life-long learning becomes apparent.

If you are interested in becoming a member of the learning society, Continuing Education at Duke is offering two spring classes for women from April 22-May 16.

The first course on "Assertive Training for Women" will be conducted by Susan Carr in Continuing Education and John Galassi from the Counseling Program in the School of Education at UNC.

The eight-session course is offered at two separate times. Section one will meet on Monday and Thursday mornings, 9:30-11, and Section two on Monday and Thursday evenings, 7:30-9. Enrollment is limited to 16 participants and the fee is \$30.

The second course, "Women in the Twentieth Century: A History of Changing Roles and Changing Consciousness," will be taught by Dr. Valerie Quinney, former instructor at Brooklyn College.

As a two-section course the first will be held on Monday and Thursday mornings, 9:30-11:30 and the second, Monday and Thursday evenings, 7:30-9:30. The course will consist of eight sessions.

Enrollment is limited to 20 participants and the fee is \$35.

All classes will meet in the East Duke Building on the East Campus.

For further information concerning registration, call Ext. 6259 or contact the Continuing Education Office located at 112 East Duke Building.

### ORIENTAL ART

There will be an exhibition and sale of original oriental art including woodblock prints, etchings, woodcuts and lithographs in the West Campus Union Bldg., Rm 101, on April 22 from 11 a.m. until 8 p.m.

FOR SALE—Set of Collier's encyclopedias with yearbooks and junior classics set, \$50. Lane cedar chest, light walnut finish, two years old, ex. condition, \$50 and sofa and chair, older but clean, no tears, \$30. Call 286-9562 after 5 p.m.

NEEDED—Five issues of the New England Journal of Medicine (1970-72) for binding now, have some duplicates, can help you find others. Please contact Lou Andrew at 489-1806 anytime or Box 2711, Hospital.

WANTED—One used bedroom suite. Call 489-4720 after 5 p.m.

FOR SALE—1969 Conner Newport mobile home, 12'x60', three bedrooms, two complete bathrooms, partially furnished, completely air conditioned, occupancy in June. Call Doug Gnepp at 383-4640 or write Box 2753, Hospital.

FOR SALE—Hotpoint 8,000 BTU window air conditioner still under warranty, used only four weeks (moving). Runs on regular current, best offer over \$125. Call 383-5279 after 6 p.m.

FOR SALE—Sofa, chair, typewriter, dinette, desk, lamp, curtains, spreads, and trunks. See at 101 E. Maynard Ave. or call 477-5011.

FOR SALE—1971 Kawasaki "100" motorcycle. Good trail bike, 10-speed, reduced for quick sale, \$275. For more information, call Mrs. Watson after 5:30 at 489-6941.

WANTED TO BUY—Refrigerator, range, air conditioner, lawn mower and extension ladder. Good condition and reasonable. Phone 489-2976 in early a.m. or evening.

FOR SALE—Two fish tanks, one 15 gal. metraframe with 25 lbs. blue gravel, small Dynaflo filter, incandescent light hood and heater for \$25, and the other a 10 gal., all glass tank with 10 lbs. of black gravel and fluorescent light hood for \$12. Also, New Home sewing machine in cabinet, in good condition with many attachments, got new one as a gift, will sell for \$50. Call 477-3342 between 8 and 11 a.m. or after 5 p.m.



## Medical Student's Study Indicates Viruses Inhibit Monocyte Chemotaxis

When a person who is suffering from tuberculosis is given a skin test for the respiratory disease, a large red welt usually appears at the test site.

On the other hand, when the same person contracts a virus-induced malady such as measles while suffering from TB, no welt will appear until the measles have disappeared.

This phenomenon, well documented in medical literature, interested a third-year student in the School of Medicine and her mentors to the extent that they designed and conducted experiments which help to explain it.

Genie Kleinerman of Shaker Heights, Ohio, found that certain viruses may inhibit the body's mechanism for eliminating foreign particles such as bacteria which can cause a person with a relatively harmless disease like influenza to develop "supra-infections" which may result in death. "Supra-infections" are those which occur while another infection is already in progress in a patient.

The 24-year-old future pediatrician, who was enrolled in Duke's virology study program under Dr. Ralph Snyderman, associate professor of medicine, and Dr. Charles Daniels, assistant professor of pathology, presented the results of the experiments at the annual meeting of the Federation of American Societies for Experimental Biology in Atlantic City, N.J., yesterday.

Her presentation was entitled "Depression of Monocyte Chemotaxis by Virus."

The viruses used in the study were Herpes simplex and influenza. Herpes simplex has been linked to such disease conditions as cancer of the cervix, genital lesions, meningitis, encephalitis and fever blisters.

Ms. Kleinerman and her advisors reasoned that viruses must somehow prevent monocytes—white cells which attack and engulf foreign particles or "antigens" such as bacteria—from responding to the chemical message sent out by another kind of cell called lymphocytes when foreign bacteria has been detected in the body.

The experiment involved placing isolated monocytes which had been removed from human blood by a test tube separation procedure and the

chemical message or "chemotactic factor" at opposite ends of a small plastic chamber designed by Snyderman to measure monocyte movement. The monocytes were released on a tiny filter with microscopic openings at one end of the chamber, and the chemical, also separated from human blood, was poured into the other opening.

Healthy cells were able to squeeze through the openings in the filter when the chemical stimulus was added in a biological fluid.

The investigators found that monocytes which had been subjected to Herpes simplex and influenza viruses responded to the "call" of the chemical only 25 per cent as well as did the healthy cells. Hence their theory that viruses weaken the body's natural defenses against diseases which are caused by non-viral pathologic agents gained experimental support.

The red welt which appeared during the tuberculosis test showed that the body was actively fighting the disease. When the welt was absent in patients known to have tuberculosis, the body's "immune system" was not working as it should have. The Duke investigators' work indicates that viruses are the culprit.

## New Ward

(Continued from page 1)

wards including pediatric, psychiatric, acute care and remote ambulatory units will only be possible under exceptional circumstances and by special arrangement.

"During the last four weeks, meetings and communications with medical staff and hospital employees have emphasized the procedural changes which the unit introduces," said Kramer.

"Everything possible has been done to create in the Discharge Unit a comfortable environment for patients awaiting departure, and the role of physicians, nurses, DTO's, housekeepers, and Business Office and admission personnel will be decisive in the success of the entire program," he added.

A special brochure listing hospital discharge procedures will be distributed to patients on the evening prior to their departures.