

# N. Y. Researchers Find Definite Link Between Cigarette Smoking, Cancer

Cancer research specialists at a Buffalo, N. Y., hospital have flatly stated that cigarette smoking can lead to cancer.

Dr. George E. Moore, director of the Roswell Park Memorial Institute, New York state's cancer-research treatment center, and Dr. Morton L. Levin, chairman of a cancer study committee, issued the joint statement yesterday.

The two doctors, in their statement, called for immediate government action in developing a nationwide educational program in the public schools and for the general public regarding the health hazards which result from smoking.

of this subject by national health and research organizations here and abroad, including 20 state medical societies in the United States, have all reached similar conclusions regarding the seriousness of the health aspects of cigarette smoking.

Dr. Levin stated that "this latest report by the Surgeon General is perhaps the most extensive and comprehensive yet made. The report confirms these conclusions as well as those made previously by former Surgeon General Leroy E. Burney, Surgeon General Luther L. Terry, and New York State Commissioners of Health Herman E. Hilleboe and Hollis S. Ingraham."

The Evidence

Dr. Levin, author of one of the first reports implicating heavy cigarette smoking as a possible

cause of lung cancer, said that there are nine "undeniable truths" which relate smoking and disease:

"1. Cigarette smokers have a higher general death rate than non-smokers. The excess mortality among cigarette smokers is greater than among light smokers.

"2. Cigarette smokers experience higher death rates from lung cancer, as compared with non-smokers.

"3. The increase in lung cancer among cigarette smokers is approximately proportional to the average number of cigarettes smoked per day.

"4. Cigarette smokers have a higher risk of developing chronic emphysema, a disabling lung disease, than do non-smokers.

"5. Cigarette smokers are more liable to develop buerger's

disease, a serious disease of the arteries, than do non-smokers.

"6. Cigarette smokers have an over 50 per cent greater chance of dying of heart attack than do non-smokers.

"7. The lungs of cigarette smokers show abnormal changes in the cells lining the bronchial tubes, from which most lung cancers originate, to a greater extent than do lungs of non-smokers.

"8. Tar obtained from cigarettes smoked in standard smoking machines induces cancer when applied to the skin of mice. This is one of the recognized methods of testing the cancer-producing qualities of chemicals.

"9. Cigarette smoke tar contains small quantities of 16 chemicals previously known to be cancer-producing in animals."

According to Dr. Levin, the Cigarette Cancer committee was organized in 1962 to formulate, develop, and test programs of action in research, clinical trials, education, and legislative matters.

# CAB Blames Fliers For Collision in Air

WASHINGTON (AP)—The Civil Aeronautics Board yesterday blamed lack of vigilance on the part of the fliers for the head-on collision between two light airplanes in which three persons were killed near Allentown, Pa., last July 30.

The collision was between an Army Beechcraft U-8F pilot Henry F. C. Gebel, 35, both of Carlisle Barracks, Pa.

The Army pilot had been cleared by the Allentown tower controller to make a practice instrument low approach to the airport, from the Allentown low-frequency radio range.

It was further cleared for a missed approach to be followed by another approach using the automatic direction finder.

At 10:39 a.m. EST the Army pilot reported being over the airport's outer marker, outbound at an altitude of 2,500 feet. The collision occurred three minutes later, between the airport's outer and middle markers and a mile north of the course, with the Army plane westbound and the Stinson eastbound.

Experiments

The experimental work concerned with the cancer producing properties to tobacco began in 1954. Cancers have been produced in dogs, rats, mice, and hamsters by the application of tar from cigarette smoke to the animal's skin.

Mouse skin is usually used for these studies because the tissues can be treated with cigarette smoke more easily and because it is known to respond to chemicals believed to cause cancer in man.

The Studies

The studies have shown that 44 per cent of the mice develop tumors and 33 per cent develop cancers and early pre-cancerous changes when painted with the smoke of 83 cigarettes daily. Control mice, treated identically but receiving no cigarette smoke, do not develop cancers.

In the summer of 1963, the committee, realizing that giving up the smoking habit is difficult for some people, decided to investigate the possibility of developing a non-tobacco cigarette.

After weeks of experimentation with cabbage, beet, dandelion, Swiss chard, lettuce, catnip leaves, and other vegetable leaves, it was decided that cabbage, due to leaf size, availability, and texture, was the best for the first processing research studies.

Cabbage leaves, when dried and sprayed with regular cigarette sprays or rum, sugar, licorice, and other flavorings, have had the same odor as processed tobacco.

**Unequivocal Damnation**

Dr. Moore said: "From the years of research conducted at Roswell Park Memorial Institute, there is no question at all but that cigarette smoking is the major causative link in the development of lung cancer.

"The evidence also points out that cigarette smoking is directly implicated in other diseases as well, such as diseases of the heart and blood vessels and other lung ailments," Dr. Moore added.

"The existence of important health hazards from smoking, again pointed out by the Surgeon General's Advisory Committee in its report, indicates the immediate need for national and local programs to minimize these hazards," Dr. Moore said.

All Agree

According to the joint statement, many previous reviews

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**Newman Club Activities**

SUNDAY— OPEN BUSINESS MEETING and informal breakfast after 9:15 mass in Chapel Lounge

SUNDAY— "THE DEVIL'S ADVOCATE" 6:30-7:30 A discussion of questions concerning the Catholic Faith. 210 Chapel

MONDAY— DISCUSSION 6:30-7:30 Pollock Religious Affairs Office

THURSDAY— BASIC THEOLOGY 1:00 207 Chapel

THURSDAY— "SPIRIT OF CATHOLICISM" 4:00 A discussion of the doctrines of Catholicism

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# Hat Society--

(Continued from page one) dents who feel there is no need for another society.

Another hat society, Keystone, submitted an application Dec. 9 for establishment of an alumni chapter at University Park. The group is now chartered as a hat society on commonwealth campuses.

# 1 Week Pro Given PhiEpsilon For Rushing

Phi Epsilon Pi fraternity has received a one-week rush restriction for violating the Interfraternity Council rush code.

The penalty was imposed by the IFC Board of Control at a meeting last night. The violation for which the fraternity was penalized occurred Wednesday night, at the start of the rush period.

The infraction for which the penalty was levied allegedly consisted of the fraternity's having its members in University residence halls after 8 p.m.

Edward Craig, Board of Control chairman, confirmed that the penalty was levied but stated that the reason for the one-week docking of rush given The Daily Collegian was "incomplete."

Craig also refused to confirm the accuracy of the reason.

An IFC spokesman said the Board acted swiftly so that the fraternity would not be unduly penalized for a minor infraction.

# Goldwater--

(Continued from page one) way, that never existed, as the secretary and his associates well know."

In the 1960 campaign Democrats charged that the Soviets had been permitted to forge ahead of the United States and open up a gap in the race to develop long-range missiles.

Goldwater called for hearings by the Senate preparedness subcommittee, of which he is a member. The subcommittee is headed by Sen. John Stennis, D-Miss.

Not for Hiding

"The matters we are talking about are too important to be hidden behind name-calling," the Arizona said.

"That is why I am asking for a full-scale probe of the situation. And that is why I shall not retract or qualify my statement or my intention to work for a meaningful strengthening of our nation's defenses."

A Cloudless Day

A major general in the Air Force reserve, Goldwater said that "when I speak of a dependability gap, I do not refer to situations in which crews of thousands, waiting for a cloudless day, are able to launch orbital vehicles with fine precision."

He said he was questioning the dependability of missile systems that might have to be launched "in the middle of the night, during a storm, and upon an instant's notice."

McNamara said "There is no information, classified or otherwise, to support the false implication that our long range missiles cannot be depended upon to accomplish their mission."

**ATTENTION!**

All persons who signed up for the HUB Travel Committee's New York World Fair Trip next Spring must attend a meeting Tuesday, January 14, 1964 at 7:30 p.m. in the HUB Ballroom.

Thank You  
HUB Travel Committee

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# Dept. Nixes Protests of Dismissals

HARRISBURG (AP)—The State Justice Department has ruled there are no grounds for any kind of an appeal against dismissal under terms of the state's new civil service law.

The Civil Service Commission reported yesterday the ruling was directed at 15 employees previously covered by executive civil service who contended they were dismissed because of discrimination.

Not Spelled Out

The kind of discrimination was not spelled out in their complaints.

The 15 are among some 18,000 state employees covered by the civil service statute approved by the 1963 legislature.

The new law provides for dismissal because an 18 month probationary period regardless of the employee's previous civil service status.

Service Extended

Civil service had been extended to many state employees by executive order of former Govs. George M. Leader and David L. Lawrence, both Democrats.

Executive civil service could be extended or withdrawn at the whim of the chief executive, whereas the new law can only be changed by the legislature.

Martin H. Brackbill, Gov. Scranton's budget secretary, who must countersign the unsatisfactory ratings, said recently 561 have been approved for permanent status, while 133 have been fired.

All Rated 'Good'

A spot check of the most recent performance records of the dismissed employees failed to uncover any who had been previously rated lower than "good."

The 15 had sought hearings on grounds of discrimination.

They did not specify what kind of discrimination they felt they had been subjected to. Their complaints contended they had been singled out unfairly.

# Dilworth Blasts Education In State; Terms It 'Lousy'

PHILADELPHIA (AP)—Richardson Dilworth, former mayor here, has charged that Pennsylvania's public education system is lousy—"not much better than that of Alabama or Louisiana."

The former Penn State trustee also told the Philadelphia Chamber of Commerce that industry in the state has gone downhill every year since World War II. Dilworth, who was defeated for the governorship by William W. Scranton after resigning as mayor of Philadelphia, made his remarks after listening to three optimistic reports given at the chamber's 17th annual forecasting conference.

About education, he said: "By and large we have a lousy education system in this state. Of course the rich counties have some fine education, but on a whole, our state educational system is not much better than that of Alabama or Mississippi."



RICHARDSON DILWORTH, seen here as he appeared at Penn State during the last gubernatorial campaign, leveled an attack on the Scranton administration yesterday, charging that the state's education and industry are suffering an unprecedented blight.

Falling Behind

"And in higher education, we are falling behind. In other states, higher education is provided for at least 50 per cent of the children within that state."

"But what do we have? We have a situation where trained teachers go out and furnish the brains for the other states, and they will continue to be driven out of the state. We have done nothing to bring a higher education system into this state and we will do nothing," he charged.

Dilworth said he recently went on a nine-square-block tour of an area comprised of mostly low-income Negroes. It took a whole day, he said.

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