

Research Foundation Finds Method to Photograph 2000 Pictures per Second

Photographing 2000 pictures per second is a recent accomplishment of the Armour Research Foundation. This is achieved with the use of a 16mm compensating lens motion picture camera.

Five other methods used for high speed photography at the Research Foundation are: (1) 35 mm flash motion picture camera, (Edgerton), capable of taking up to 1000 pictures a second; (2) 16 mm stroboscopic motion picture equipment operated in conjunction with a standard type 16 mm camera; (3) single exposure micro-flash still photography employing a Kodatron flash lamp; (4) multiple-exposure still photography which uses a series of microflashes at short intervals to stop a given movement at many instants in its course; (5) shadow or schlieren photography.

There are seven commonly known means of photographically studying rapid motion exclusive of oscillographs, photoelectric devices and recording meters of various kinds.

The two primary reasons for this development in the field of photography at the Foundation are to provide an additional research tool for use in both applied and fundamental investigations and to present a further service to industry.

In the former, high speed photography has been the means of gathering basic data on air and fluid movement, impact studies, and transient vibrations analysis.

AXE Holds Smoker, Issues Newsletter

Ping pong, refreshments, group singing and card games were the high lights of the Alpha Chi Sigma smoker held last Wednesday night in the Student Union Lounge. The first issue of the new fraternity publication "Alpha Psi Psighs", was distributed then.

Faculty members who attended were Dr. Edward Bicek, Dr. Vasili Komarewsky, Dr. Bruce Longtin, Dr. Ralph Peck, and Harvey Taufen. Dr. Friedrich Richter of the English department was also present.

Paul Fox Now Stationed At Camp Wheeler, Georgia

Former manager of the bookstore, Paul Fox, is now undergoing his basic training at Camp Wheeler, Macon Georgia. Fox entered the army three weeks ago and was sent to the Fort Sheridan replacement center.

His complete address is not yet known, said Jim Anderson, new manager of the bookstore.

Dance Club to Offer Lessons

Dancing instruction will be given at the Dance Club meeting next Wednesday. The instruction will begin at 5:45 p.m. and will continue for one hour stated Tom Dressler, president of the club.

Dressler also said that students who wish to receive instruction must obtain membership cards from him. These cards will admit the men to the period of instruction next Wednesday and to the two to be held in the future.

A half hour each of beginning and advanced lessons will make up the hour of instruction. Girls from nearby hospitals, St. Xavier's College, and Chicago Teachers College have been invited to attend the instruction and the free dancing that will follow.

Faculty Directory To Be Ready Soon

A new faculty directory is about ready for publication, according to Dr. Charles W. Kepner, registrar.

Dr. Kepner stated that a few members of the faculty have not yet reported their addresses and positions to his office, but that as soon as they do this the directory will go to press. He urges members of the faculty who have not yet reported these items to this office to do so immediately.

The new directory will contain the addresses, the positions held, and the degrees earned by the members of the faculty, the Research Foundation and the Gas Institute.

It will not contain the names and addresses of the students as directories in the past have done. This is because the student population is constantly changing and hence the directory would be obsolete in a few weeks, Dr. Kepner pointed out.

Technology News Staff Is Now Largest in History of Paper

Fifty-seven varieties! No, not Heinz' 57 varieties, but *Technology News'* 57 varieties, but *Technology News'* 57 in all, is now the largest in the history of the paper.

Furthermore, every one of the 57 has to work to maintain his position on the staff. In fact, all but six are taking journalism, a prerequisite to membership on the staff of *Technology News*.

The 51 students now enrolled in the journalism classes, which are taught by Paul O. Ridings, director of the News Bureau, represent a phenomenal growth for this activity. Journalism classes were just inaugurated at IIT last term and were made compulsory for anyone who wanted to work on *Technology News*.

At the beginning of the last term, 24 "pioneers" enrolled and made up the staff of *Technology News*.

Ridings is teaching three journalism classes, two at Armour and one at Lewis. Beginning courses are being given at both colleges, and an advanced one is in progress on the Armour campus.

Seventeen Armour students are now enrolled in the advanced course, Journalism II. Journalism I has 34 enrolled, 23 in the Armour section and 11 at Lewis. Each class meets

for one hour of lecture each week and all class assignments are work on *Technology News*. The journalism courses carry one credit in English.

The only members of the *Technology News* staff who are not students of journalism are James Harris, Rey Berggren, James Drain, Ronald Lind, Bissell Smith, and Lou Wengel.

Drain, a member of the Lewis staff, has already studied journalism at Northwestern University. Wengel is advertising manager, and Barris and Lind are cartoonists while Smith is the author of "Slipstick."

Berggren, the photography editor, was elected to this position three weeks ago by the managing board. At the suggestion of the newspaper, Armour Eye accepted as a club project the task of providing picture coverage for the paper and in this connection Berggren was named to the post.

An unusual fact about the journalism classes is that one department predominates in each respective class. The Armour Journalism I class is 64% mechanicals, the one at Lewis is 64% chem majors while the advanced course is composed of 39% chemicals.

January 29 Is New Hockey Hop Date

The Hockey Hop will be held on January 29 at the Columbia Yacht Club, Jack Eulitt, captain of the team and chairman of the dance committee, stated today.

A band has not yet been signed to play for the affair, Eulitt said, but the team will probably use an outside band rather than the Navy unit which was slated to play for the dance on the original date, Dec. 22.

AIEE Holds Meeting; Discusses Education

The question of how engineering education can be improved to raise the status of the engineer in social life was discussed at the meeting of the AIEE held last Friday.

The discussion was centered upon Dr. William E. Wichenden's paper "The Second Mile" which stresses the importance of liberal art subjects in an engineering curriculum. Alexander D. Bailey, vice-chairman of the IIT board of trustees, led the discussion.

The meeting was attended by 70 students.

Telephone Operator Is Ill

Miss Mollie Gusic, head switchboard operator of the south campus, was confined at home in bed with an attack of influenza, last week. She hopes to return to work next week, Miss Rhoda Weitzmon, of the Lewis switchboard assisted on the Armour board during Miss Gusic's absence.

Tech Time Table

Monday, Dec. 13
 7:00 p.m.—SCMP—East Dining Room
 7:30 p.m.—Chicago ASME—Central YMCA College

Tuesday, Dec. 14
 3:30 p.m.—IAeS—214 Chapin
 4:30 p.m.—ITSA—East Dining Room

Wednesday, Dec. 15
 5:30 p.m.—Alpha Chi Sigma—405M
 5:45 p.m.—Dance Instruction—Auditorium

Friday, Dec. 16
 2:30 p.m.—Math Club—214 Chapin
 7:30 p.m.—Television Broadcast—Rho Epsilon Quarters

Saturday, Dec. 18
 8:00 p.m.—Sophomore Party—Lounge and Auditorium
 8:30 p.m.—Graduate Club Dance—Hamilton Hotel

I.I.T. BARBER SHOP

Located in Basement of Quarters #2

Phone: Calumet 2814

CIVILIANS CAN GET HAIRCUTS OR SHAVES

Every Monday, Tuesday & Wednesday

Appointments will be appreciated so as not to conflict with Navy personnel

(FORMERLY THE GRADUATE HOUSE) SHOP WILL BE OPEN DEC. 21 TO 24 FROM 8:30 A.M. TO 8:00 P.M.

Have a Coca-Cola = ¿Qué Tal?

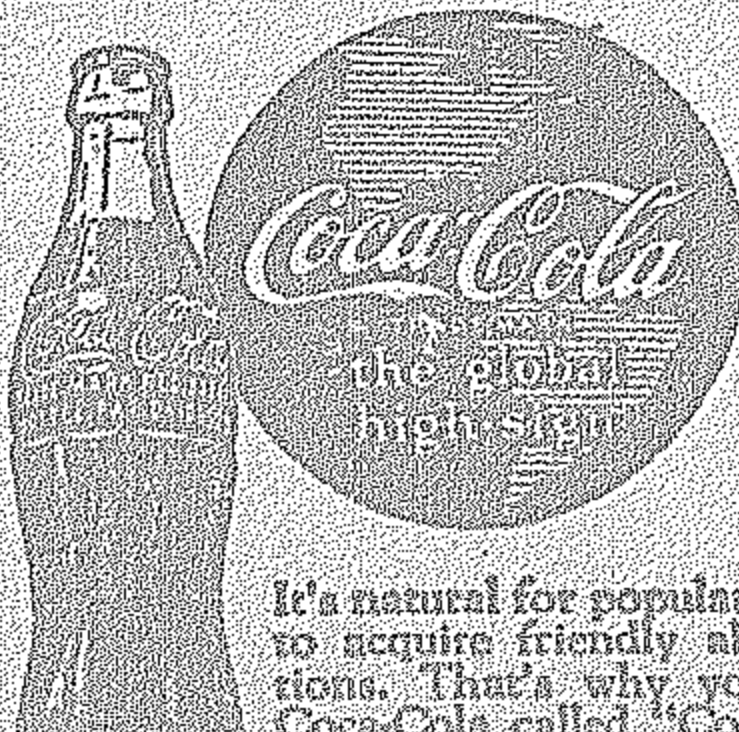
(WHAT'S UP?)



... in Panama as in Pittsburgh

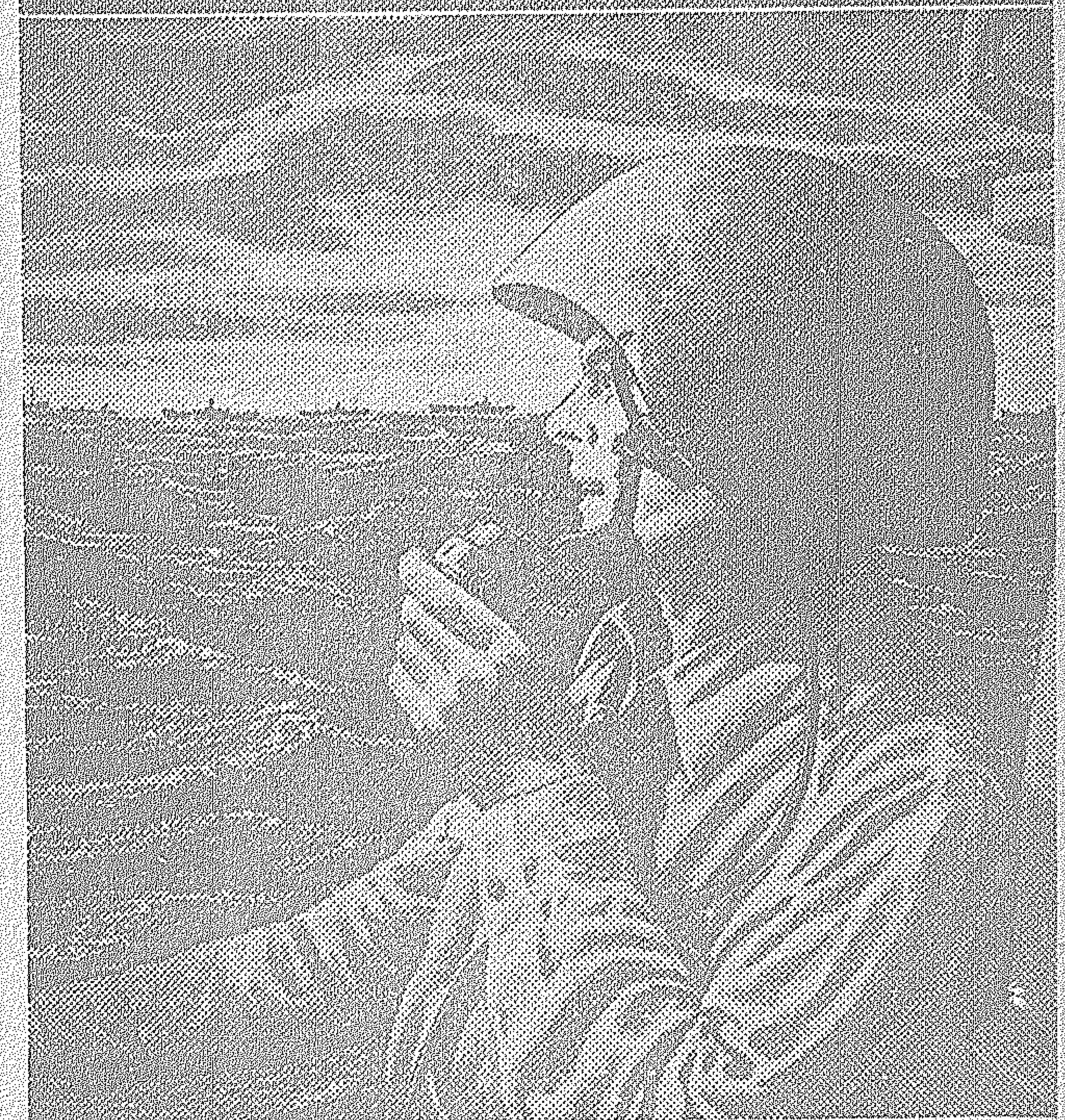
¿Qué tal? is the friendly *What's up?* of the citizen of Panama. Equally cordial is the *Have a "Coke"* of the American soldier. Around the world Coca-Cola stands for the pause that refreshes,—has become the high-sign of friendly-minded folks.

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