

Science Program August 17-27:

St. Augustine's Summer Conference Now Underway; Features Top Guests

The Saint Augustine's College Summer Conference on the Effects of Ionizing Radiations on Living Systems will feature noted guest lecturers August 17-27.

Dr. Arnold H. Sparrow, senior radiobiologist, Brookhaven National Laboratory, Upton, New York, will lecture on the topics, "Cytological Changes Induced by Ionizing Radiation" and "Radiosensitivity in Plants and Some Effects of Chronic Irradiation on Growing Plants" Monday, August 17, 1964. He will give several lectures on radiosensitivity, radiobiology and related topics as well as conduct seminars on these topics.

On August 19, Dr. H. F. Robinson, professor of biology at North Carolina at the UNC will lecture on the topics, "Modernizing the Biology Curriculum at the college level." A teacher at North Carolina State for a considerable number of years, Dr. Robinson has directed several National Science Foundation In-

stitutes, and is presently in charge of institute programs at N. C. State.

On August 20, Dr. Marie Taylor, professor of biology at Howard University, will lecture from topics, "The Use of C-14 Tracers in the Determination of the Photosynthetic Mechanism," "The Use of Radioisotopes in Translocation Studies" and "Some Aspects of Radioecology and the Status of the Fallout Problem."

Dr. Taylor has taught on the college level for 15 years. She has conducted a NSF Institute in radiobiology for 5 years, and has had wide experience as a researcher in the area of radiation botany and has published a number of papers.

On August 25, Dr. T. N. Tamishian, senior radiobiologist, Argonne National Laboratory, Argonne, Illinois, will give a series of lectures from the following topics, "The Effects of Ionizing Radiations on Induction and Differentiation in Embryonic Material," "Effects of Ioniz-

ing Radiations on Intracellular Organelle Differentiation" and "Rationalization of the Significance of these Findings."

Dr. Tamishian has been associated with the division of radiobiology at Argonne for several years. He has done a great deal of research on the biological basis of irradiation damage, and also participated as guest lecturer in several radiation biology institutes including the Biology Institute at Syracuse University.

On August 26, Dr. Ralph T. Overman, Oak Ridge Institute of Nuclear Studies will present a series of lectures on the following topics, "Some Concepts of Nuclear Science," "Some Suggestions for the Inclusion of Radiological Materials into College Curriculum," "Some Graduate Scholarships and Training Programs in Radiology and Radiobiology for Science Majors and College Teachers of Science," and "Job Opportunities for Persons

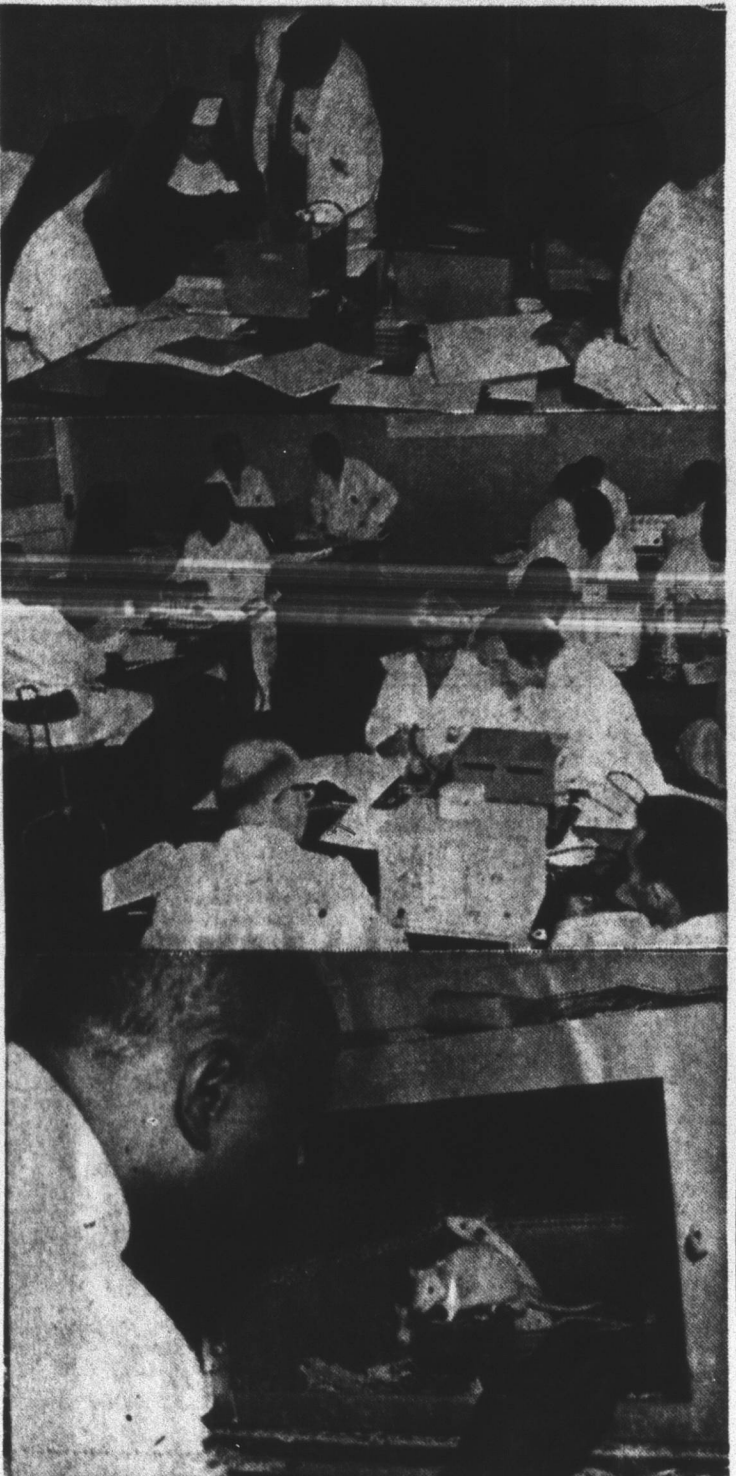
Trained in Radiology and Radiobiology."

On August 27, the final day of the lecture series, Dr. Louis J. Casarett, chairman of the Department of Biology, Rochester Medical Center, Rochester, N. Y., will give lectures from the following topics, "Effects of Ionizing Radiations on the Reproductive System of Mammals," "Effects of Ionizing Radiations on Hemopoietic, Gastro-Intestinal, and other Systems of Mammals," and "Autoradiographic techniques."

Dr. Casarett has been associated with the radiobiology research program at the Rochester Medical Center for many years. He has published several papers dealing with the effects of ionizing radiation on organ systems of mammals, with particular reference to the reproductive system. Dr. Casarett has also developed several auto-radiographic techniques for studying the uptake of radiotopes in tissues.



THE SUMMER CONFERENCE, now underway at St. Augustine's College here. Scenes, reading 1-3, at left; and 1-2 at right, are as follows: Sister Mary A. Koehel (left), from Rockville Centre, N. Y. and Sister Veronica Dr. Fasbender (right) from Yankton, South Dakota, get special assistance from instructor John L. Perry on how to determine the half-life of radioactive isotopes. (Photo 1). Participants working in Radiation Laboratory gain first-hand knowledge in the use of Geiger counter. Later they will use this equipment to determine the radioactivity in isotopes. This scene was snapped at St. Augustine's College recently. (Photo 2). Dr. W. W. Johnson, head of the Division of Natural Sciences at St. Augustine's College, ob-



serves rats which are periodically injected with radioactive isotopes. The effect that these isotopes have on rats is to some extent comparable to the effects they will have on human beings. (Photo 3). Dr. Joseph Jones, Jr., Director of the Conference, explains the structure of the atom to participants. Dr. Jones is frequently applauded by his students for his ability to get across to them large doses of technical data within a brief period. (Photo 4). Dr. Jeffrey Gibson, right, Head of the Chemistry Department, demonstrates to Willard C. Jordan (left) and James T. Halliburton, participants in the conference, on the Effects of Ionizing Radiations on Living Systems, the use of Infra-Red lamps in drying isotopes. (Photo 5).

Despite Seasonal Drop: Non-Farm Employment Sets New July Record

Non-farm employment dropped 5,900 in North Carolina during July but at the same time set a new record for the month, the State Department of Labor reported Wednesday of this week.

Labor Commissioner Frank Crane said a total of 1,307,900 Tar Heels were employed in nonagricultural jobs during July. This was 5,900 higher than the total reported for July, 1963, Crane said.

Factory employment totaling 540,600 in July was 4,300 below the June level and 7,700 above the July 1963 total. Commissioner Crane said. Nonmanufacturing jobs, totaling 767,300 in July, were down 1,600 from June but up 19,100 over July, 1963.

Principal reasons for the July job drop from June levels were vacation shut-downs in many textile mills and in one large electrical machinery firm, Crane said. Textile mill employment dropped 4,300 below June and electrical machinery firms showed a decrease of 900. Other decreases included 4,200 public school maintenance and custodial workers, 1,300 temporary workers in Federal agricultural stabilization programs, 500 in transportation, 200 in machinery, and 100 each in chemicals and ordinance and transportation equipment.

UNTIL somebody tells them, half the people don't know that you or your company are important.

ONLY RARELY is it worth what it costs to tell a man just what he thinks of him.

OPT. A VERB meaning to choose or "go for." is becoming popular among writers who disdain familiar words: I'm not opting for opt.

It's A Dog's Life!



All in all, dogs have a pretty good life if taken care of properly by a good master. "And a dog can be taught to obey his master through kindness and consistent discipline," say experts at the Furina Pet Care Center. The key to training for obedience is... your voice! According to the Furina authorities a dog responds to the tone of your voice, as much as to words. The command "come" must sound different to him from a command "sit." A lesson should last from 10 to 15 minutes and a master's affectionate pat plus some good dog food, are always good reward for a well learned lesson. One more tip from the experts if you live in the city. Train your dog to respond to a silent dog whistle. It won't disturb your neighbors at night.

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Begins Sept.: Post Office Employees To Get Pay Hike

Approximately 590,000 postal employees in 34,000 post offices will begin to receive about \$7.7 million more every two weeks, starting on September 4, under new pay raise legislation signed Friday by President Johnson, Postmaster General John A. Gronowski reported this week.

The postal increases provide an economic shot in the arm of about \$200 million a year in additional wages in 34,000 each. The raise covers all employees from the lowest grades to the highest. Letter carriers and clerks in Grade 4 of the Postal Field Service get an average of \$345 each, Mr. Gronowski explained.

The legislation is retroactive to the first pay period after July 1. This is the period starting July 4 for the Field Service people. Separate checks will be issued for this on October 9, Mr. Gronowski said. These checks total about \$28 million in added wages.

In addition to approximately \$200 million in annual salary increases, the 590,000 postal employees will receive an estimated \$15 million annually in supplemented fringe benefits, such as increase in their prospective retirement annuities.

At 36, Jerome Patrick Cavanagh of Detroit is the youngest mayor of any large U. S. city, the Catholic

Recidivism in federal penitentiaries is an appalling 65 per cent, the Catholic Digest finds. It costs Americans about \$2 billion a year.

Venice has 118 islands, all separated by canals and connected by some 400 bridges, the Catholic Digest

THERE'S NOTHING nicer than doing business with a customer who pays his bill with a smile.

Kappas, In Nat'l Conclave, Okay Challenge Of New Role

SAN FRANCISCO, Calif.—Kappa Alpha Psi fraternity accepted the challenge of a new role in the American scene—becoming involved in the public issues of civil rights and anti-poverty action—as more than 500 men met at the Sheraton Palace Hotel in San Francisco August 2-7.

Highlights of the five-day 52nd Grand Chapted Convention of the Kappas were:

The election of officers, headed by a former athlete, Thomas Bradley, 47, the first Negro elected to the Los Angeles City Council, as grand polemararch.

Passage of a six-point resolution on civil rights including the denunciation of extremism of the left or right, and endorsement of four national civil rights organizations.

A challenge by Dr. Samuel DeWitt Proctor, associate director of the Peace Corps and a brother, to become rebels a-

gainst a computer-controlled society.

A series of activities to help young men, including discussions of job opportunities and a new program to develop leadership.

The grand convention also featured a variety of social activities in the "good old Kappa spirit."

Bradley is a retired police lieutenant and a former track star at UCLA. A practicing lawyer, he is a member of the Los Angeles City Council. He became a Kappa in 1937. He was retiring senior grand vice polemararch. He succeeds Atty. Richard B. Millsbaugh of Opelousas, La as grand polemararch.

Also elected to office were: Jesse O. Dedmon, Jr. of Washington, D. C., senior grand vice polemararch; Norman Jones of Upsilon chapter at UCLA, junior vice polemararch; Ernest H. Davenport of Detroit, Mich. grand keeper of records and exchequer; Madison Richardson of Xi chapter at Howard

University in Washington, D. C., grand strategist; Melvin V. Christy of Omicron chapter at St. John University in New York City, lieutenant strategist, and Elbert E. Allen of Shreveport, La., grand board of directors.

Others elected were Dr. Guy L. Grant of Indianapolis, Ind., a founder of the Kappas, grand historian; Dr. Ezra D. Alexander of Indianapolis, also a founder, non-voting member of the grand board of directors, and David J. Billings of New York City, chairman of the nominating committee.

Board members Val J. Washington of Washington, D. C. and Atty. William H. Chisholm of Brooklyn, N. Y. were not up for election.

The Kappas voted to hold their 54th convention in St. Louis, Mo. in the summer of 1967. Their 53rd Grand Chapter will be held in December, 1965 in Boston, Mass. Theme will be "Retraining for Leadership."

Distribute Education Program Added To Ligon's Curriculum

The Distributive Education program previously announced by Superintendent Jesse O. Sanderson has won final approval and has been added to the curriculum at J. W. Ligon High School.

This program will be the second of its kind in the Raleigh City Schools and is expected to go into operation when school opens this fall. The coordinator for this new course will be J. A. Abron, Jr., formerly of the Social Studies Department at Ligon High School.

The Distributive Education curriculum will be a combination preparatory and cooperative vocational program which combines classroom instruction with on the job training.

The aim of Distributive Education is to prepare young men and women for careers in some field of distribution. About thirty-two students will be participating in this project the first year. Each student in the cooperative program will divide his time between school and work experience. The preparatory students' work will be concentrated in the classroom with some limited work experience provided.

"The classes" are expected to give the youth of Raleigh a better chance at getting better local jobs. Various business organizations in the community are expected to be participating in this program also. The interest and enthusiasm of this group will play an important part in the overall success of

the program which will prove of mutual benefit.

Students are accepted from the junior and senior classes on the basis of interest, aptitude, and vocational objective. They will receive high school credit both for their classroom study and work experience.

Abron, the teacher and coordinator has just finished his professional training in Distributive Education at the University of North Carolina at Chapel Hill. He began his duties in the community on August 17, and invites those interested in finding out more about the opportunities of Distributive Education, both for student and employer, to contact him at his office in the J. W. Ligon High School.

Susan's Waitress Game Is Easier, Now



A real waitress might call it "efficiency," but three-year-old Susan Thomson calls it the "easy way" as she easily places a cup and saucer on a stack of new restaurant china. Both stacks have exactly twenty-four dinner plates.

There are some chores that Susan Thomson of Syracuse, New York dislikes about her game of playing waitress. One is the need to stack up the plates when she is through with them. Since three-year-old Susan is hardly as high as a headwaiter's cumberbund, it's no wonder she's found it hard to reach the top of a stack of dinner plates.

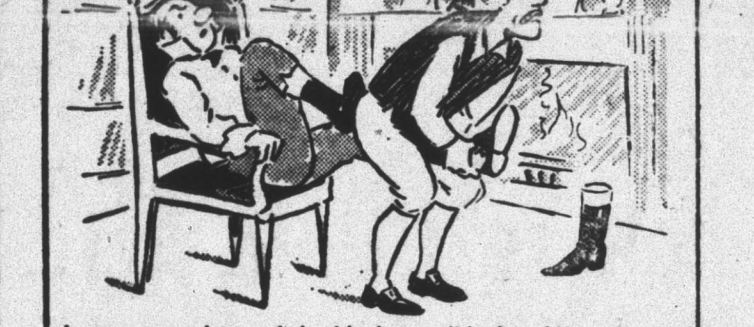
That's why Susan likes the new restaurant china developed recently in her home town. Called Suralite, the all new china body material makes it possible for its originator, Syracuse China, to produce this, more refined china for use in commercial and institutional food service operations.

Besides being easier for Susan and dishwashers to handle and stack, Suralite makes dining out more enjoyable for Susan and her parents, too. The delicate design of the new American shape, created especially for Suralite, makes the new product more like the fine china that many people use at home. The American shape is a modern, crisply tailored, straight-line design in accord with current decorating trends. The Versailles pattern shown here is one of two new decorations created for Suralite's introduction. Versailles is a soft scroll print. Suralite's contribution to well appointed interiors and tabletops is typical of the current trend toward up-grading in restaurants.

Leading food service executives and decorators have known that restaurant patrons would prefer light-weight, refined china, but until now there was nothing available that could stand up under the heavy use which commercial china must face. A completely new china formula has made it possible to produce the thinner china.

Despite its delicate design, Susan has no fears about breaking the new Suralite. The plates and other items, have been tested and found to be just as strong and capable of resisting chipping, scratching and cracking as previous commercial china products.

You're Your Own Valet



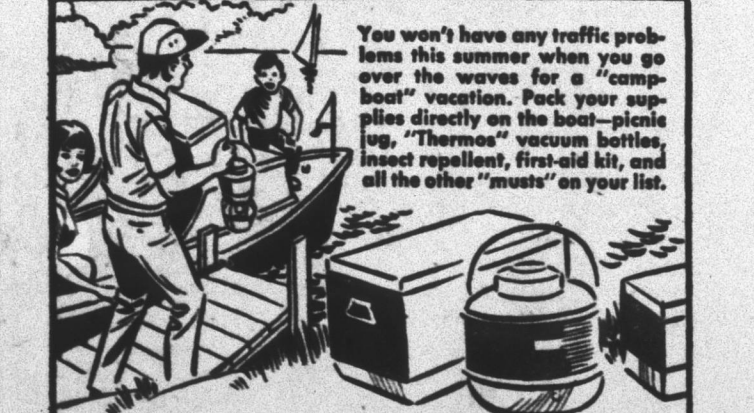
Long ago, a valet was judged by how well he kept his gentleman's boots shined. Today, you're often judged by how well you keep your own shoes shined. Shoes won't be your Achilles heel of grooming, however, if you observe a shoe care routine that's as easy as it is effective.



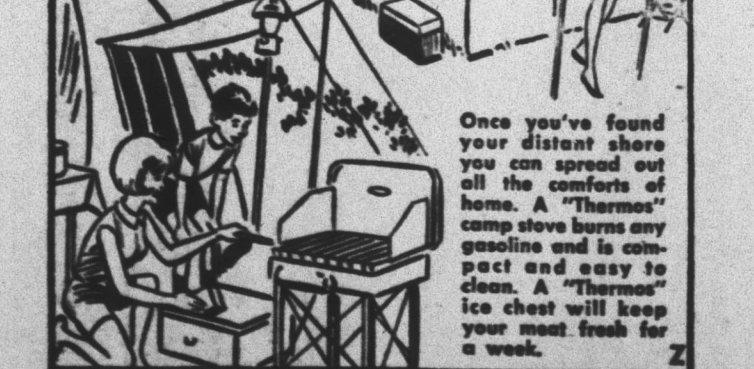
Shoes don't really need frequent polishing—they just have to look that way. Once a week, polish your shoes thoroughly with Shinola liquid or paste shoe polish. The shine will last for seven days, if you give them a quick refreshing each morning. Brush your shoes well before applying fresh polish. Remember that your shoes look just as fine as the care they get. If you neglect them, they'll look neglected—and so will you.



New Camping Highway



You won't have any traffic problems this summer when you go over the waves for a "campboat" vacation. Pack your supplies directly on the boat—plans us, "Thermos" vacuum bottles, insect repellent, first-aid kit, and all the other "musts" on your list.



For your home away from home use a Pop-Tent by "Thermos." Ideal for boating, it can be set up on the sand without stakes or poles. And, it packs neatly into a compact case—light enough to be carried even by your youngsters.

Once you've found your distant shore you can spread out all the comforts of home. A "Thermos" camp stove burns any gasoline and is compact and easy to clean. A "Thermos" ice chest will keep your meat fresh for a week.

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Did You Know?

