

Collier's Article Cites Findings of Dr. Simons

Dr. Joseph Simons of the College's Fluorine Laboratories has developed a new process for producing fluorocarbons making possible large quantity production at reduced cost.

Collier's magazine's February 19 issue cited Dr. Simons' discoveries in an article "Taming Chemistry's Hellcat" by Milton Silberman.

Metallic Uranium

The article states that Chemist Aristid Viktor Grosse was asked by a chemical colleague in England to prepare a gaseous compound of uranium several years ago.

Grosse found that metallic uranium could be turned into a gas if it were chemically combined with fluorine and said afterward that it "involved the preparation of elemental fluorine and its combination with uranium" and that this was how fluorine eventually got into the atomic-bomb project.

By the end of 1940 scientists had enough evidence to figure that uranium might be used to make an atomic bomb and they were already looking for some way to purify uranium.

Separate Uranium

"What we wanted was a process to separate uranium-235, the fissionable form, from ordinary uranium-238," Grosse says, "and no ordinary method would work."

It seems before uranium could be combined with fluorine a method would have to be found to produce fluorine, easily and cheaply.

Even if this could be done scientists wondered about many other things such as how could you store a million pounds of fluorine? How could you ship it from one factory to another? What could you use for tanks, pipes, pumps, valves, gaskets and lubricants which, on contact with fluorine, would not burst into flame or corrode or explode? And, above all, how could you protect your workers?

Colorless Liquid

One of the first clues came from Dr. Simons who recently created a strange colorless liquid composed entirely of carbon and fluorine.

It was difficult to prepare, even in very small amounts, and Simons had only two cubic centimeters of it, less than a tenth of an ounce. But, having tested it, he claimed that it couldn't be burned, was not attacked by acid or alkali, and couldn't be harmed even by fluorine itself.

'Joe's Stuff'

This amazing liquid came to be known thereafter as "Joe's Stuff." And although it wasn't the answer because it was a liquid instead of a solid, it proved an aid in future discoveries.

They manufactured compounds like Joe's Stuff and used them to safeguard their own operations. They tested hundreds of special fabrics until they came upon one—a fireproof neoprene on a fiberglass base—which could stand up under fluorine.

Resistance to Destruction

Last fall, Dr. Simons—the man who had contributed Joe's Stuff—announced to the American Chemical Society convention at Portland, Oregon, that fluorocarbons can be made in the form of paints, textiles and plastics with amazing resistance to destruction.

"They are so resistant to combustion," he claimed, "that they will not only resist being set on fire but will even block or smother any fire already started."

Such materials, which would also be mothproof, termitproof and decayproof, are not yet on the market. But Dr. Simons and many of his fellow chemists feel sure that their development is inevitable.

'King of Kings'

A mass meeting of students and townspeople of all faiths will be held at the Grace Lutheran Church at 8 p.m. today. The meeting, which is sponsored by the Inter-Church Student Fellowship, will feature the motion picture 'King of Kings.' There will be a social hour in the basement of the church after the meeting, which is the first of two to be held each semester by the ISF.

Housing shortages are not a new thing in State College. In 1912 George Green, newly arrived nature education teacher, and his wife occupied a tent on Hartwick avenue until Christmas when a house was completed for



Dr. Joseph Simons

Eng Group Plans Faculty Show

February's issue of the Engineering Newsletter contains information concerning the course rating program, the faculty talent show, and today's student council elections.

The course rating program has been completed. The results have been tabulated and turned over to the department heads. In the near future, the student council will discuss the results with faculty members.

The student council is planning a faculty talent show to be presented as an opener to Spring Week on March 29. Student councils from all schools are uniting in an effort to solicit talent from among the faculty.

Simmons Hall Joker Has Old Solution To Old Query

Whether or not something is wrong with the heating system at Simmons Hall hasn't been determined yet, but many coeds are shivering in their rooms. The heat can be turned on fully and the room will be freezing, while in the next room the window is wide open but heat is circulating freely.

Evidently, there is a quirk somewhere. One coed tried to rectify the situation by placing a note on her door addressed to the janitor with the following message: "Our room is always cold. Could you please suggest a way for us to keep the room warm?" This might have proved to be very beneficial for the occupants of the room if the janitor had seen the note before someone else beat him to it.

For imagine the consternation and surprise of aforementioned coed as she came home from class, looked at the note still on the door, and saw inscribed on the bottom of said note in heavy black pencil, "What you need is a man!"

Thefts on Campus Rise in Number

There have been more thefts in the last six months and particularly the past few days than have occurred for five years on campus, Capt. Philip A. Mark stated.

Capt. Mark offers as an explanation the general economic conditions of high prices and increasing scarcity of money.

The recent wave of thievery swept through the men's dormitories and town fraternity houses and hit lightly the women's dormitories. Captain Mark warns students to keep valuables secure.

Tribunal Appointment

All-College President William Lawless recently announced the appointment of Roger Rowland to Tribunal. Rowland will fill the seat left vacant by the graduation in January of Richard Morgan.

Church Calendar

University Baptist

"Great Christian Teachings" will be the topic of discussion at the 9:40 a.m. college church school class. Rev. Edwerthe E. Korte, Lutheran student pastor, will deliver the sermon at the 10:45 morning worship service. "Christianity and Communism" will be reviewed at the Roger Williams Fellowship supper and student service from 5 to 7:30 p.m.

St. Andrew's Episcopal

John Hutnyan, pre-theological student at the College, will assist Rev. C. A. Auroroff as sub-deacon at the orthodox vesper services, 8 p.m.

St. John's Evangelical United Brethren

Pastor Harry M. Buck's 9:30 a.m. morning worship theme will be "A Hollow Ring." The church school class will meet at 10:20 a.m. A nursery will be maintained from 9:30 until 11 a.m. Vespers at 7:30 p.m. will feature the sermon, "A Crafty Priest, the Story of Caiaphas."

Wesley Foundation

Sunday School discussion groups beginning at 9:30 a.m. will be led by Rev. Bruce Gideon and Mrs. Cordelia Hibbs. Rev. Frank W. Montgomery will deliver the sermon at the 10:45 a.m. service. A meeting of the Wesley Foundation Council will be held at 2 p.m. From 5 to 6:30 p.m., the Student Friendly Hour and supper will be held. At 6:30 p.m., a religious drama, "The Lost Church," will be presented by members of the foundation. Early morning devotions and breakfast are scheduled for 7 a.m. next Thursday.

Westminster Foundation

At 9:30 a.m. the student department meets. The Meager Meal is served at 5:30 p.m., and at 6:20

p.m. Dorothy Parks and Bonnie Lohr will elaborate on "Experiences at Summer Work Camps."

Hillel Foundation

"Israel and the American Community" will be the sermon topic of the initial meeting of the IZFA sub-regional conference, tonight at 8 p.m. Sabbath morning services will commence at 9 a.m. tomorrow, and an open discussion meeting will be held Sunday at 2:30 p.m. on the topic, "The Future of the State of Israel." On Monday at 7 p.m. the first beginner's class in Hebrew will be held; on Wednesday at 7 p.m., the first intermediate class will convene. These classes, open to all students, faculty and townspeople, will be held each week. They are non-credit courses, and no registration fee is required.

No Change Seen In Telephone Rule

A change of the 10 p.m. dormitory telephone rule is impossible at this time, Robert Sigworth, supervisor of utilities, informed AIM.

Mr. Sigworth stated that at the present time there is an absence of available telephone operators. Further investigation of the problem is being conducted by an AIM committee headed by Roger Rowland.

William Norcross, of the elections committee, advised that all vacancies in AIM districts will be filled by elections next month.

CORRECTION

9 lbs. of Laundry Washed Automatically for just 30c—not 35c. M A R S H A L L ' S Automatic Laundry 454 E. College Ave.—Rear

Engineering, Education Hold Council Elections

Education Election Conducted at SU

Final voting for representatives to the Education Student Council will take place at Student Union this afternoon, according to Robert Gabriel, acting president.

As a result of a revision in the council's constitution, election time has been changed from May of each year to February. Three representatives from each of the School's four divisions will be elected from the list of nominees.

Nominations include: Elementary education—Patricia Botkin, Jill Bowney, Peggy Good, Nancy Mendenhall, and Jane Swagler.

Secondary education—William Brodsky, Dolores Hyden, Ruth Lehman, Sandra Marks, Frances Nichols, and Robert Olson.

Psychology—Robert Gabriel, Corbin Kidder, Erwin Lesser, and James McDougall.

Zionists Discuss Israel's Future

Israel's future will be the subject for discussion at a meeting of the Upper Pennsylvania sub-regional Zionists at Hillel Foundation at 2:30 p.m. Sunday.

Gershon Asculai, head of the Jewish Agency's youth department, and Yuval Elizur, Israeli youth worker, will conduct the panel discussion on the future of Israel, and will lead symposiums earlier in the conference.

Registration

Registration for the IZFA conference will be held at Hillel Foundation from 4 to 8 p.m. today. At 8 p.m. the Sabbath Eve services will commence with Bernard Bezar, president of the local IZFA chapter, bringing the opening welcome remarks.

Rabbi Benjamin Kahn will deliver a sermon on "Israel and the American Jewish Committee" followed by Oneg Shabbat, celebration of the Sabbath, which will include a portrayal of the play, "How the Sabbath Was Seven Minutes Late in Tel Aviv." Songs, dances, and refreshments will round out the evening's program.

Tomorrow morning's service will begin at 9 a.m. followed at 10:45 by the Sabbath morn Asefab, Shirley Felman, chairman of the seminar, will outline seminar plans, and Gershon Asculai will speak on, "Is There a Halutzi Way of Life? What Is It?"

Symposium

At 2 p.m. tomorrow, a symposium of two speakers on the types of Israeli life will be led by Asculai on the subject "Adjustment in Israel," and Yuval Elizur on the subject, "Hachsharah."

Tomorrow night, beginning at 8 p.m., there will be a "Rough-It Party" at Phi Epsilon Pi, including songs, dances, and skits. A general discussion session will

Engineers Elect Representatives

Elections for Engineering Student Council are being held from 8:30 a.m. to 12 noon and from 1:30 to 4:30 p.m. today.

Polling places for aeronautical and industrial engineering students will be in the first floor hall of Engineering "C"; architectural in the architecture library on the third floor of Main Engineering Building; electrical in the lobby of Electrical Engineering; and civil and mechanical in the first floor hall of Main Eng.

Nominees are listed according to departments.

Aeronautical—Senior representative, William Meholick, Joseph Minarovich; junior, William Hendershott, John Swanger.

Architecture—senior, Sam Natoli, Robert Tinstman; junior, Joseph Kelvington, Arthur Lukens.

Civil—senior, George Land, Richard Pulling; junior, James Etzel, Ernest Hartsky.

Electrical—senior, Frederick Auch, Charles Dixon, Vernon Ritter, William Stauffer, John Snook; junior, Blair Fissel, Dean Kane.

Industrial—senior, James Frezeman, Donald Gibson, Hugh Hackett, George Oehmler, Don Schultz, Morton Snitzer; junior, Harold Bowditch, Gorman Fisher, Donald Fogelsanger.

Mechanical—senior, John Hepfer, Jesse Kehres; junior, Donald Hackenberry, Robert Houseworth, Ira Romberger.

Students must present their matriculation card or other means of identification to vote.

LA Council Scans Suggestion Box

Seven new pencil sharpeners were placed in Sparks upon requests found in the Liberal Arts suggestion box suggesting the need for sharpeners. Four of these pencil sharpeners have recently disappeared from the building.

At the Liberal Arts student council meeting this week, this situation, and others developing from the suggestion box were discussed.

Worthy recommendations to the council, such as honors work, that of a student who has shown his capability working under one professor; possible exemptions on the curriculums and improving the instruction will be taken under consideration, according to Jean Moore, president.

Students should put constructive criticisms into the box, she added, and not clutter the box with foolish suggestions.

be held at 10 a.m. Sunday, followed by 12:15 luncheon. Movies and the open panel discussion will conclude events on Sunday afternoon.

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