



THE ORIGINS OF THE EARTH DESCRIBED—Dr. Harlow Shapley, professor of astronomy from Harvard University, discusses his topic with Leonard Julius, SGA president. Dr. Shapley was the first of a series of speakers at the University in honor of the Darwinian Centennial.

Shapley Denounces Life's Divine Origin

By KATIE DAVIS

"There is no need to appeal to supernatural powers of any sort to account for the origin of life," Dr. Harlow Shapley, director emeritus of the Harvard College Observatory, said Sunday night.

Shapley's speech "The Origin and Development of Earth as a Habitable Planet" was the first in the Darwinian Series sponsored by the University Lecture Series and the Department of Sociology and Anthropology.

Shapley emphasized two phases of evolution—the evolution of atoms and the jump across the division between the inanimate and the animate.

He discussed the conditions necessary for planetary life and then pointed out places where life could not exist.

Even though Venus, Earth and Mars are all in a belt in which water can exist in a liquid form, he said, we still cannot be sure of life on either Venus or Mars.

In discussing cosmic chemistry, he explained how a helium atom can be made from four hydrogen atoms.

"All elements are derived from hydrogen," he said, "and we thus see that the elements themselves take part in evolution."

Shapley said the important jump from the inanimate to the animate can now be shown by experiments which send a charge of electricity through a test tube containing methane, ammonia, water and hydrogen. These four molecules made up the primitive atmosphere of the earth and thus, Shapley said, the origin of life on our planet can be explained.

From these self-replicating macromolecules, all of our life on earth developed, Dr. Shapley concluded.

Two thousand students and faculty members heard Shapley's lecture. Of these approximately 700 were Sociology 1 or Anthropology 1 and 12 students who were required to attend.

The next lecture in the Darwinian Series will be Dr. Wilton Krogman's talk on "The Origin and Physical Development of Man," on Nov. 15.

Spring Week Forms

Applications for Spring Week committees are now available at the Hetzel Union desk.

Interested students may fill out and return applications to the HUB desk by tomorrow.

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150 Seek Seats

Council Elections To Begin Today

By LOIS SMITH

A total of 150 students are running for seats on ten student councils.

Council elections will begin at 9 a.m. today and end at 5:15 p.m. tomorrow.

The following people are standing for election:

●BUSINESS ADMINISTRATION: Linda Aughenbaugh, Donald Brecher, Bruce Colan, George Griffin, Jacquelyn Hatters, Barbara Fort, Christa Hoge, Elizabeth Horn, James Hilsinger, Robert Miller, William Overlock, Sally Schardt, Ruth Schleider, Lorna Kirk, Paul Krow, Robert Rittenberg, David Walker and Andrew Wolov. The council poll will be located in Boucke lobby and the Hetzel Union card room.

●LIBERAL ARTS: Renee Alkoff, Josephine Barger, Josephine Bronsahan, Susan Common, Eunice Dichter, Richard Goodman, Beverly Hoffman, Joan Hopkins, Helen Jewella, Regina Kobus, Suzanne Kradel, Nancy Laugsner, Goldie Laris, Beverly Legum, Patricia LeRoy, Linda Levin, Helen Lockwood, Jo Anne Mark, Linda Moritz, Jane Ockerhausen, Mary O'Donnell, Margaret Reed, Mary

Reno, Harold Scott, Ruth Silbey, Jane Silverstein, Evelyn Steinberg, Marilyn Sugar, Donna Sutin, Barbara Watchorn, Phillip Weiss, Edward Williams, Allison Woodall and Joan Wright. Polls are located in Sparks lobby and the HUB cardroom.

●CHEMISTRY-PHYSICS: Maxine Shale, Susan Starbird, Clyde Aaron, Hector Mogontz, Marjory Mastalaki, Larry Handwerk, Ellen Mills, Linda Rockwell, Earl LaKier, Stephen Zellinger, Barry Gobuloff, Frederick Deak, Michael DoubleBower, Michael Muldawar, Robert Polshick, Linda Moore, Marvin Firestone and Hildred Wise. Polls are located in Osmond and the HUB cardroom.

●DIVISION OF COUNSELING: Lois Affleck, J. Carole Akers, Richard Bosserman, Herbert Deckert, Paul Gram, Carol Kelly, Kathryn Knauss, John Melchoir, Edward Rosenzweig, Janet Shaw and Freya Weister. Elections will be held in the HUB cardroom.

●EDUCATION: Pancho Liano, Mary Stronggoodrich, Clair Seitman, Joyce Law, Karen Meyer, Elizabeth Skade, Frances Lawrence, Linda Ranick, Harriet Emdur, Margo Lewis, Sharon Gottlieb, Jacqueline Wenk, Arlene Levy, Karen Ford, Virginia Linneman, Judith Wohleron, Nancy Huxhes, Linda Krumboltz, Sally Sabold, Carol Connolly, Mark Slovansky and Virginia Davenport. Polls are located in Waiting lounge and HUB cardroom.

●HOME ECONOMICS: Mary Bell, Joanne Buterbaugh, Susan Fisher, Joan Greenwood, Pamela Harrison, Mary Har-

shay, Nellie Hughes, Elizabeth Jack, Lois Resing, Marile Rounds, Elaine Sweeney, Lucille Toceano and Martha Abl. Polls are located in the Home Economics lobby.

●ENGINEERING - ARCHITECTURE: Rodney Dreisbach, James Merkel, Marvin Dunlap, Thomas Kyle, Kenneth Miller, Anthony Gitt, Richard Pigoosi, John Gilbert, Jay MacMullan, Howard Coleman and John McSparran. Elections will be held in Sockett library and the HUB cardroom.

●MINERAL INDUSTRIES: Robert Landis, Ned Gehris, Dona Carpenter, Joyce Meisler, Robert Veikey, Thomas Garrett, Michael Kass, Frederick Albitz, Lawrence Rothblat, George Henning, Richard Treasler, John Sebeatian, Robert Hall, David Michlin, John DePetro, Richard Woodgatt, David Nickey, Richard McDermott, Jo Ann Fasold and Richard Somerfeldt. Elections will be conducted in mineral industries classes.

●PHYSICAL EDUCATION: Richard Kimmner, Stephen Popp and Nile Evans. Elections will take place within physical education classrooms.

All freshmen are eligible to vote in their respective college. Sophomores in engineering-architecture and juniors in chemistry-physics may also vote in their colleges. All students must present a matric card in order to vote.

Profs Seek--

(Continued from page one)
(D), associate professor of English composition; and Jefferson D. Beard, instructor in engineering drawing and general engineering.

Voters must vote for three men for the position of the Borough of State College School Director for a 6-year term with no salary.

Two University professors are competing for the position. They are A. Witt Hutchinson (D), professor and associate head of the Department of Chemistry, and J. W. Crane Remaley (R), professor of secondary education.

Leonard A. Doggett (D), retired with the rank of Emeritus as a professor of electrical engineering, is running for the office of Borough Assessor. This position involves a 4-year term and a salary paid by the hour.

G. A. (Grover) Spearly (D), coordinator of laboratory facilities in the College of Chemistry and Physics, will run for county treasurer for a 4-year term with a \$6800 salary.

Robert D. Scheirer (D), professor of civil engineering, is running for the office of surveyor of Centre County for a 4-year term with a per diem salary.

Roy M. Decker (D), head instructor in the agricultural extension program for an 8-county area in the special education program for veterans who are farming, will seek the office of prothonotary. The prothonotary is the chief notary post in Centre County.

Three constitutional referenda will also appear on the ballot. The first will recommend that the General Assembly meet once each year instead of in biennial session.

The second referendum deals with increasing borrowing capacity of school districts from seven per centum to 15 per centum upon the assessed value of its taxable property.

Science Panel Names Waynick as Member

Dr. Arthur H. Waynick, professor and head of the Department of Electrical Engineering, has been appointed a member of the National Science Foundation Advisory Panel on Summer Science Training Programs for Secondary School Students.

This program, conducted at over 100 universities in the summer of 1959, is designed to encourage the scientific interests of high-ability secondary school students.

Dugan Crowned Queen

Mary Dugan, freshman in physics from Upper Darby, was crowned Indie Queen at the AIM-Leonides Autumn Ball Saturday night.

Miss Dugan was presented with a bouquet of red roses by Carl Smith, Association of Independent Men parliamentarian.

Brayfield to Be Consultant

Arthur H. Brayfield, professor and head of the Department of Psychology, will serve this week in Washington, D.C., as a consultant to the National Science Foundation on research participation program.

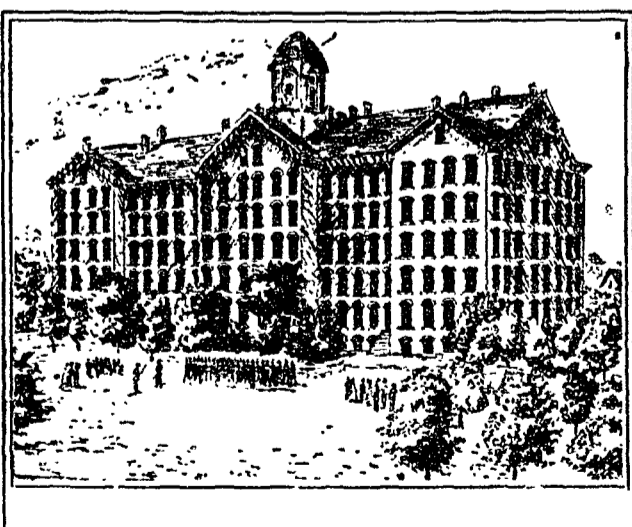
Panel to Debate Foreign Policy

The major issues of American foreign policy will be discussed at a public panel discussion sponsored by the Intercollegiate Conference of Government at 7:30 tonight in 109 Armsby.

Featured in the discussion will be John DeNovo, associate professor of history; Vernon Aspaturian, associate professor of political science and Henry Albinski, instructor in political science.

Topic of the panel discussion will be "U.S. Foreign Policy, Problems and Issues." Lee E. Carter, assistant professor of political science and panel moderator, said the "issues" will be stressed in view of next year's presidential elections, where foreign relations will be a major topic.

BEAT SYRACUSE



"It is the part of a wise man to feed himself with moderate pleasant food and drink, and to take pleasure with perfumes, with the beauty of growing plants, dress, music, sports, and theatres, and other places of this kind which man may use without any hurt to his fellows."
... Benedict Spinoza 1632-1677

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