Scientists study lunar samples

(Continued from page 1)

Walter A. F. Jeffrey

and density fractions. As the most depleted sample was kept for spectrometer analysis only traces of carbon were found.

A second experiment involved pyrolysis of a sample and then examination of the ions released by a mass spectrometer, using a general survey technique. An analysis of the elemental composition of the materials indicated only traces of carbon compounds such as CO, CO\textsubscript{2}, and CH\textsubscript{4} in the part-per-million range. A third experiment involved the solubility of organic molecules, but yielded only impurities in the box in which the samples had been kept.

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THE TECH TUESDAY, SEPTEMBER 21, 1971 PAGE 3

TCA plans program of teacher evaluation

By Peter L. Chu

This term the Technology Community Association (TCA) will initiate the first Institute-wide course evaluation to be undertaken in the last twenty years.

Questionnaires will be distributed to all MIT students, with a portion of the Institute's computer facilities being used to process the student feedback. The resultant output will be made available to department heads and individual professors for examination, in the hope that it will result in an upgrading of the interest and educational level of MIT courses. TCA is also hoping for some improvement in classroom presentations by the faculty as a result of the evaluation.

The announcement of the proposed survey was made by Bob Churchilla, TCA president, to new and prospective TCA members in a meeting held last Thursday night. Churchill also outlined this year's planned activities and projects. TCA is a volunteer, student run organization which initiates, organizes, and executes major service projects for the MIT community.

Besides the course evaluation program, TCA expects to take on new projects for this year. A social information center is the first, intended to provide students with information about lectures, parties, and events of interest that are occurring at MIT and all major college campuses in the neighborhood of Boston. No such centralized information service is currently operating.

TCA is also first in line for the stewardship of how to Get Around MIT, the all-purpose practical guide to life at the Institute. The Class of '75 edition has already been published and distributed to the freshmen, but the Dean's Office thinks that costs were "a bit high this year" and hopes for a "self-supporting HoToGAMIT" within the next few years. In discussion last spring, Assistant Dean Blitner expressed support for a TCA takeover, or for any other student group "willing and able to take over the project." But, there has been a go-slow order from Dean Nyhurt (Blitner's boss) because of the importance of the decision.

TCA is looking for anyone who has a sincere desire to make life more livable at MIT.

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NEED USED ADDING MACHINE. Call Bob Elia at 941411 if you have one to sell.

Recently-refurbished, clean and mild-mannered senior News editor wishes to meet girl faster than a speeding bullet who writes anonymous letters. Object: to experience life more livable at MIT.

A well-known Assistant Dean for Student Affairs, when pressed for comment by The Tech, would only say: "What can you say about a crosswalk?"

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(Continued from page 1)

earthwise. Furthermore, the small amount of rubidium that could be invalid. Furthermore, the small amount of rubidium that could be measured made it necessary to achieve a precision of one-thousandth. The only way to do this was by computerizing the mass spectrometer and all data handling.

Once all the equipment was ready, the soil sample was divided into different size and density fractions. As the fractions varied from the coarser and heavier broken local rocks to the breccia, fused rocks and soil in the middle fractions, to the soil, made up of glass beads 90 microns or less in size, the age varied from 3.6 to 4.6 billion years. The breccia in the mid-regions seemed to be the fused product of some local impact. The glass beads were probably created by the tremendous heat of some distant impact which then ejected them to the area.

Organic materials

Several tests for organic materials were made at Houston by Professor Heinz Bunge, Dr. Robert Murphy, and Research Associate Norm Mansueto. At MIT, tests were conducted by Professor Bunge, Dr. Murphy and George Perri. All of them indicated negative results. The first test was to place samples in a biological barrier for forty-five days and to examine them for organic growth. Nothing was found.

A second attempt involved pyrolysis of a sample and then examination of the ions released by a mass spectrometer, using a general survey technique. An analysis of the elemental composition of the materials indicated only traces of carbon compounds such as CO, CO\textsubscript{2}, and CH\textsubscript{4} in the part-per-million range. A third experiment involved the solubility of organic molecules, but yielded only impurities in the box in which the samples had been kept.

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Significant freshman activities of Sigma Phi Epsilon include painting a crosswalk on Beacon St. on a recent Sunday. A number of the daring students were led by a Boston Police patrol as they set on the front steps of their fraternity admiring their work. A well-known Assistant Dean for Student Affairs, when pressed for comment by The Tech, would only say: "What can you say about a crosswalk?"

Twenty-one Sigma Phi Epsilon freshmen painted a colored crosswalk on Beacon St. on a recent Sunday. A number of the daring students were led by a Boston Police patrol as they set on the front steps of their fraternity admiring their work. A well-known Assistant Dean for Student Affairs, when pressed for comment by The Tech, would only say: "What can you say about a crosswalk?"

Photo by Jeff Aksamand