S

Be on the lookout for this enemy agent



002503742118 GORDON RICHARDSON

Enemy of financial apathy is what he is.

In 15 minutes he can destroy any old illusions or stereotypes you have about life surance. He can show you how it pays to plan now for a rotected financial future. He may seem to be just another student but he's armed with a orough knowledge of insurance and he's trained to use tat will. Don't be fooled. He's ot a program that's aimed

He can be found in our mpus office. Seek him out oday. His thing? Security.

Gordon B. Richardson Aggie Campus Carreer Life Underwriter Phone 713 — 567-3165

PROVIDENT



HERE FOR COMBAT BALL—'Ivy Peebles' Medicine for Army ROTC cadets and their dates at the Combat Ball Show, a talented troupe from Baton Rouge, La., will play which begins at 9 p. m. Friday.

Nuclear Search for Gold

Prospecting by Activation Analysis

fecting a nuclear technique which may take the "guess work" out of finding gold and other valuable

Personal Loans LOANS TO \$100

University Loan Co. 317 Patricia (North Gate) Telephone 846-8319

BREAKFAST

6 a. m. Until 10:00 a. m.

Oakridge Smokehouse Restaurant

807 Texas Ave. - College Station

Real Country Sausage, Smoked Bacon and Ham

A Satisfying Taste Treat You Will Enjoy

FLOWERS Complete Hallmark Store

Baby Albums - Party Goods Unusual Gifts

Aggieland Flower & Gift Shoppe 209 University Drive

College Station

OFFSET PRINTED COPIES / SPECIAL TO STUDENTS THESES AND DISSERTATIONS ONLY

75¢ per Page — 10 COPIES EACH PAGE — Price includes All Paper

OVER 10 COPIES: 11 - 15 COPIES — 7¢ PER COPY
16 - 25 COPIES — 6¢ PER COPY
26 - 50 COPIES — 5¢ PER COPY
copies per page, please refer to our regular price list or call for quotation.

INSTAPRINT, ING. 505 CHURCH STREET / COLLEGE STATION, TEXAS Call 846-2157 to schedule your thesis or dissertation for this sem

In short, they propose prospecting wiih the atom.

The technique employs activamaterials are made radioactive sample. by bombarding them with neugive off a unique pattern of radiation at a unique rate and can be time identified swiftly and positively.

Dr. Richard E. Wainerdi, associate dean of engineering and head of Activation Analysis Research Laboratory, noted activasoils and ore samples.

Using a large reactor, activa-

presence of gold, for example, if ing a special purpose computer there is as much as seven parts of the precious metal in one huntion analysis, a procedure in which dred billion parts of the total

In addition to being sensitive, trons. The nuclei of the atoms activation analysis often doesn't absorbing these neutrons become require the lengthy sample prepa-"activated" through transforma- ration of standard wet-chemical tion to radioactive isotopes. When methods. Also, activation analysis the isotopes distintegrate, they is a non-destructive method; samples can be rechecked at any

A&M engineers and scientists, working with the Sandia Corp. in Albuquerque, N. M., have developed a portable activation analysis unit weighing only 30 tion analysis can be used to pounds. It is designed for lunar identify the elements in almost, or other planet exploration but any material, including rocks, could prove to be a valuable tool here on earth.

Their earth-bound system also tion analysis can determine the is highly automated, encompass-

Switching from a familiar area, the group later studied a region of the Philippines with the aid of a Philippine graduate student and in cooperation with the Philippine government. In analyzing samples, they identified a gold and possibly a cobalt province in northern Luzon. Expansion of existing mining operations in the area is a possible result.

The group headed by Dr. Wainerdi is now receiving samples from one of the world's most highly mineralized regions, an area east of South Africa's Drakensberg Mountains. The area is rich in gold, diamonds, copper and other minerals.

Activation analysis has possible use in exploring the ocean floor, Dr. Wainerdi added. The group has found it can distinguish between different regions of the Gulf of Mexico, based on the variety of chemical composition of sediment samples. The study was conducted jointly with A&M's Oceanography Department. Dr. Arnold Bouma headed the oceanography group.

Activation Analysis Research Deep Sea Drilling Project, which is being conducted by Scripps Institution of Oceanography for kendall Jr. and B. W. Hoffman

routine for the rapid processing of geochemical data. Dr. Wainerdi said the activation analysis team initially verified its techniques by studying rock samples from a Llano County area in which geologists had explored for many years. The nuclear techniques produced analyses essentially matching those obtained by traditional methods.

Laboratory also has initiated chemical analysis of sediment samples recovered during the Some of the more than 1,000 samples analyzed to date were recovered from water more than three miles deep. Dr. W. E. Kuyheaded the project.

BUSIEK AGENCY

REAL ESTATE • INSURANCE F.H.A.—Veterans and Conventional Loans

ARM & HOME SAVINGS ASSOCIATION Home Office: Nevada, Mo. 3523 Texas Ave. (in Ridgecrest) 846-3708



Engineering, Math and Science Majors

IBM will be interviewing on campus March 19

Call 846-3773

We'd like to talk to you if you're interested in a career in science and engineering, programming, or marketing. Sign up at your placement office.

An Equal Opportunity Employer

Aero Senior Proposes Power Adaptation for Space Flights Adaptation of a turbogenerator lant could be heated for expulsion power system employing concen-

of space flight missions has been might be employed. suggested by an aerospace engineering major.

Charles H. Hill points out that design of a directional solar refly-by, as an auxiliary power

The senior from Moody outlined his ideas for the design of such a system in a seminar course report for Dr. Charles A. Roden-

Use of solar energy is not new,

Solar sails have been proposed, but their weight is too great for the amount of thrust obtained. he said.

"The most promising method is element," Hill reported. Propel- wide federation.

or a closed fluid loop obtaining trated solar energy for all types power through vapor generation

"My design mounts the solar collector on a support from the side of the craft," Hill explained. "It could tilt and swivel to virtuflector would enable use of the ally any angle. If the sun's rays system for an earth orbit mission were coming from the opposite or a space probe, perhaps a planet side of the probe, the spacecraft could merely be rotated about its longitudinal axis to expose the collector once more."

He pointed out that the solar reflector-powered turbogenerator would supply decreasing amounts of energy in opeation toward the solar system's outer planets.

Turner, '29, Chosen Man-of-the-Year

Federal Highway Administra-Harnessing solar power in bat- tor Francis C. Turner, a 1928 teries has been used in satellites, graduate, has been named Manbut battery weight is undesirable, of-the-Year by the International Road Federation.

Turner is only the second a solar reflector which would American to receive the award focus the sun's rays on a heating initiated in 1951 by the world-

Republican Senator

STROM THURMOND

SPEAKS ON

CURRENT EVENTS

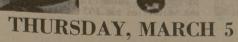


eese 29^t Size Doz. 53^t









12 o'clock noon

MSC BALLROOM ADMISSION FREE

a political forum presentation