AUTOMATIC LANGUAGE TRANSLATION

If computers process data in mathematical terms, how can they be instructed to handle information and applications that are not essentially arithmetic? IBM, in cooperation with the U.S. Air Force, is finding some answers through research in automatic language translation systems.

Machine translation of idioms, for example, is teaching us a great deal about information processing. An idiomatic phrase may have a meaning quite different from the sum of its individual words, and a system that merely matches words won't come close to translating it. One solution is an "expansion" electronic dictionary" that contains idioms and grammatical instructions as well as single words. Work is now under way to clarify meaning further by automatic syntactic analysis.

SYSTEMS research such as this requires its own kind of translation—the translation of an idea into a working system. For people with this ability, who like to travel beyond the boundaries of their specialized areas, IBM offers unusual opportunity. If you're interested in any of the fields in which IBM is making important breakthroughs, electronics, microwaves, magnets, superconductivity—and your major is in engineering or one of the sciences, you are invited to talk with the IBM representative. He will be interviewing on your campus this year. Your placement office can make an appointment. All qualified applicants will receive consideration for employment without regard to race, creed, color or national origin. Write, outlining your background and interests, to: Mgr. of Technical Employment, Dept. 898, IBM Corporation, 590 Madison Avenue, New York 22, N. Y.

OE OPEN to the public

Wednesday, January 10

DEPARTMENT OF BIOLOGY-
Seminar: "The Anatomy of a Snowshoe Hare." Professor Alexander Haig, Smith College, Room 317 Memorial Drive, 4:00 p.m.

DEPARTMENT OF CHEMICAL ENGINEERING-
Meeting: "The Solubility of Gases in Liquids." Professor Louis D. Johnston, Room 201, 4:00 p.m.

DEPARTMENT OF COMPUTER SCIENCE-
Seminar: "The Language of User Interface Design." Professor Louis Podlaski, Room 306, 1:00 p.m.

Thursday, January 11

DEPARTMENT OF ELECTRICAL ENGINEERING-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

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DEPARTMENT OF ENGINEERING CIVIL-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

DEPARTMENT OF GEOPHYSICS-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

Friday, January 12

DEPARTMENT OF HIGHER EDUCATION-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

DEPARTMENT OF PHYSICS-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

DEPARTMENT OF CHEMICAL ENGINEERING-
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Saturday, January 13

MIT HILLER SOCIETY-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

Sunday, January 14

MIT HILLER SOCIETY-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

Monday, January 15

DEPARTMENT OF POLITICAL SCIENCE-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

DEPARTMENT OF CHEMICAL ENGINEERING-
Meeting: "A Power System Analysis Program for Electric Power Distribution Systems." Professor Louis C. Neder, Room 308, 1:00 p.m.

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