



David Golden, UNL physics professor, has received a \$78,700 grant from the National Science Foundation to do ion fusion research.

Photo by Ted Kirk

Physics professor given research grant

A \$78,700 grant from the National Science Foundation has been received by UNL physics professor David Golden.

The grant will be for ion fusion research using a new electron impact laser. Golden said he will be working on the project at the UNL campus.

He said he was first contacted by the U.S. Air Force about his project. While the Air Force Office of Scientific Research studied his proposal, Golden was approached by the National Science Foundation. The same research proposal submitted to the Air Force was submitted to the foundation, Golden said.

His paper on the electron impact laser mechanism was received by the foundation in January 1974 and published last June.

Golden is not the only university faculty member receiving research money. He said that of all the grant money received by UNL faculty members, 10 per cent goes to the physics department.

UNL has one of the leading atomic physics groups in the world, Golden said. Golden is currently working with two other UNL professors, Duane Jaacks and Joseph Macek, in an effort to make the university one of the leaders in energy related research, he said. The three are working on a project to determine the balance between negative hydrogen ions, photons, electrons and hydrogen atoms at high temperatures. This reaction is important in thermo-nuclear research, Golden said.

Golden said he is one of the seven UNL specialists in atomic physics who receive outside financial support.

The grant he received to develop the laser mechanism is one aspect of the energy related research being conducted at UNL, he said.

calendar

Wednesday

- 8 a.m.—Student Affairs—Nebraska Union 243
- 12 p.m.—Student Affairs-Luncheon—Union 242
- 12 p.m.—Student Y-Body Awareness—Union 232
- 12:30 p.m.—Daily Nebraskan/Publications Board—Union Pewter Room
- 12:30 p.m.—Placement Luncheon—Union 203
- 4 p.m.—Fees Allocation Board-Miscellaneous Sub-Committee—Union 216
- 4 p.m.—Fees Allocation Board-Services Sub-Committee—Union 222
- 4:45 p.m.—All University Fund-Executive—Union 337
- 5 p.m.—All University Fund—Union 337
- 5:30 p.m.—Gamma Lambda—Union Harvest Room C
- 6:30 p.m.—ASUN Senate Meeting—Union 202
- 7 p.m.—UNL Wildlife Club—Union North Conference Room
- 7 p.m.—Mexican American Student Association—Union 232
- 7 p.m.—Junior Inter Fraternity Council—Union 337

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