

APS news

Muller and Baldwin selected as Congressional fellows

Burton H. Muller, professor of physics at the University of Wyoming, and Samuel F. Baldwin, a graduate student at the University of Maryland, have been selected as 1980-81 Congressional Fellows.

Muller received his BA from Wesleyan University in 1944, his MS from Yale University in 1945 and his PhD from the University of Illinois in 1954. During World War II he served on the Manhattan Project and in the Army. Although he has been with the physics faculty of the University of Wyoming since 1953, he has taken time off to hold fellowships at the University of British Columbia, Canada, and the University of Nottingham, England and a visiting professorship at the University of Kent, England.

"I believe I can be effective in contributing relevant information and analysis to the political process at the Federal level," Muller wrote to the APS selection committee. He describes himself as "very interested in public affairs" and keenly aware of his "obligation as a scientist to participate in the political process on matters of importance." Muller has been active in both university and state politics, and between 1974 and 1976 worked in both circles to reform the University of Wyoming's pension plan and the state retirement system.

Baldwin holds bachelor's degrees in physics and mathematics from the Uni-



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versity of Oregon and a master's in physics from the University of Maryland. He is currently completing his PhD thesis, which focusses on the phonon-mediated electron-electron interaction in bismuth. In addition to his research, Baldwin is active in Volunteers in Technical Assistance, working on low-technology applications of solar energy. He is also preparing a manual on applications of solar energy in both underdeveloped and developed countries. During his Congressional fellowship Baldwin hopes to work on



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energy policy, foreign aid, environmental concerns or transportation.

Muller and Baldwin were selected by a committee made up of Maurice Goldhaber (Brookhaven), chairman, Dixon M. Butler (this year's fellow), Jill Wittels (Honeywell), Paul Horwitz (Bolt, Beranek and Newman), Martin Blume (Brookhaven), John Hulm (Westinghouse), Benjamin J. Shen (University of Pennsylvania), David Lide (National Bureau of Standards) and Mary L. Shoaf (Princeton Plasma Physics Laboratory), administrator.

Society picks UNIX computer typesetting system

Acting on recommendations of its Publications Committee, the APS Executive Committee has approved the purchase of a UNIX system for computer-assisted photocomposition of *Physical Review*. The UNIX system was chosen over competing systems because of its compatibility with the present APS editorial processing facility and because of its versatility for adaptation to new publication modes, such as author-submitted manuscripts in computer-readable form. This mode of composition may result in quicker publication, lowered costs and reduced page charges.

The following announcement was distributed to members at the APS meeting in March:

"The American Physical Society is developing standards to encourage the submission of manuscripts to the Society publications in computer machine-readable form. This project is being carried out in conjunction with the establishment of a full-scale UNIX-based photocomposition production system for *Physical Review* and other Society journals. Initially, the standards will be based on compatibility with this production system. At the

same time, criteria for the acceptance of manuscripts prepared on other word processors will be investigated. Submission by magnetic tape, for example, cassettes, or by direct computer-to-computer transmission should be possible. Institutions and departments planning to purchase word-processing systems for manuscript preparation should be aware of these developments when making their decisions.

Further information may be obtained from P. D. Adams, Physical Review, Brookhaven National Laboratory, Upton, New York 11973." □