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College of Applied Sciences and Agriculture Addresses the Need for More Women in Science Careers

Four years ago, the College of Applied Sciences and Agriculture published a booklet on careers for women in the applied sciences.

It came out shortly after the reorganization of the College in recognition of the low number of young women pursuing careers in math and science, and in acknowledgment of a vision for the future - a vision that included more women in the applied sciences.

Almost 10,000 copies later, *Profiles of Women Making a Difference* has been updated by *Opportunities for the 21st Century*, the second volume on careers for women in the applied sciences published by the College.

The two booklets epitomize the high interest of educators and others in such resources to encourage young women to pursue traditionally male-dominated careers in math and science. And the publications provide a glimpse of how rapidly the applied sciences are changing and how the University of Maine has been meeting those changes in the last four years.

"The purpose of the booklet is twofold: to make the public aware of opportunities for women in non-traditional fields, and to provide role models and mentors for young women in secondary schools throughout Maine and elsewhere," said Judy Round, administrative associate to the dean of the College of Applied Sciences and Agriculture, and author of the newest publication in the *Careers for Women in the Applied Sciences* series.

"Initially we realized a lot of young girls were not being encouraged to pursue math and science," said Round. "The College of Applied Sciences and Agriculture has made a commitment to continue to encourage, to foster and to mentor young women to study math and sciences - to look forward to the exciting opportunities that are available in the applied sciences today and in the future."

Profiles of Women Making a Difference was written for students in grades 7 and up, and was distributed in schools throughout Maine as well as through organizations such as 4-H, Girl Scouts and the AAUW. It was so successful, Round said, because "not much had been done that addressed women in careers in the sciences. Teachers have been excited about it. When they see a promising student who doesn't think there's much for women to do in the sciences, now the teacher can say, 'why not look at this and see what women can do.'"

"And now we're talking about jobs that are here today and will be here 20 years from now," said Round, referring to *Opportunities for the 21st Century*. "In four years, we've seen dramatic growth in such areas as aquaculture, food science and natural resources."

The newest publication, which is being distributed this fall to high schools throughout the state, features profiles on 30 women who are graduates, students or faculty of the University and who are now working or studying in the applied sciences, including agricultural economics, resource management, aquatic and environmental entomology, integrated pest management, animal science, aquaculture and animal nutrition, food science and safety, nutrition, human development, plant and animal technology, and agricultural engineering.

Many more names of women in the applied sciences were provided by chairpersons of UM departments than there was publication space for, Round said. The women are not only role models but willing to be mentors, answering questions about the applied sciences and women's roles in the field. In interviewing the women, Round found them to be "deeply committed to their chosen careers and excited about the opportunity of being part

of a project that encourages young women to explore their potential no matter what career a young woman might wish to pursue."

Such encouragement provides a very different atmosphere than when Edith Patch, an internationally recognized entomologist and author, joined the faculty at the turn of the century and headed the UM Department of Entomology from 1904-37. "How lonesome it must have been out there for women when Edith Patch came on the scene," said Round, who prefaced *Opportunities for the 21st Century* with a short profile on Patch. "From that beginning of a singular woman on campus to today, it shows all the opportunities that have opened up." ▲

Highlights of Family & Friends Weekend 1992 Sept. 18-20

FRIDAY

- ▼ Open Classroom Day to attend classes with students.
- ▼ Self-defense for Women, lecture/demonstration, 3-5 p.m., Lengyel Gym.
- ▼ Aquaculture at the University of Maine, tour of the Fisheries and Aquaculture Research Group (FARG) facility, 3 p.m.
- ▼ Pulp and Paper Making Demonstration, 3 p.m., Jenness Hall.
- ▼ Welcome to Your Art, a University of Maine Museum of Art reception featuring a presentation by Museum Director/Curator Charles Shepard - "Pranksters of Art," 7 p.m., Carnegie Hall.
- ▼ "A Journey Beyond Imagination," show by hypnotist Jim Wand, 8 p.m., Union. Admission.

SATURDAY

- ▼ Academic and Career Exploration (ACE) Reception, 9 a.m., Lown Rooms, Union
- ▼ "Remembering the Agricultural Roots of Maine and the University," a dedication ceremony for the Page Farm and Home Museum featuring a appearance by a six-horse team of Percherons, owned and driven by UM alumnus Dr. Eugene Hussey, Conway, N.H., 10 a.m.
- ▼ Organizational Fair, 10 a.m.-1 p.m., Mall.
- ▼ Hirundo Wildlife Refuge Tours, 10 a.m.-1 p.m., Alton.
- ▼ Leonard's Mills Tours, 10 a.m.-1 p.m., Bradley.
- ▼ Roger Clapp Greenhouses Open House, 11 a.m.
- ▼ Football: UM vs. Northeastern, 1 p.m., Alumni Field. Admission.
- ▼ Women's Tennis: UM vs. UMass/Lowell, 1 p.m., Memorial Gym courts.
- ▼ Ornamental Gardens Tours, 1-2 p.m.
- ▼ Public Swimming, 2:30-5 p.m., Wallace Pool. Admission.
- ▼ Movie: *My Cousin Vinny*, 6:30 p.m. and 9:15 p.m., Hauck Auditorium. Admission

SUNDAY

- ▼ Women's Soccer: UM vs. Rhode Island, 11 a.m., athletic field north of Memorial Gym.
- ▼ Hommage à Balanchine, Maine Center for the Arts performance, 7 p.m. Admission.

THROUGHOUT THE WEEKEND

- ▼ University of Maine Museum of Art exhibits: "It Works! The Maine Crafts Association Annual Juried Functional Crafts Exhibition," Carnegie Hall; "Acadian Hard Times," Graphics Gallery, Union; "A Taste of Color," Hole in the Wall Gallery, Union.
- ▼ "Athletic Mementos and Memorabilia Past and Present," M Club exhibit, Memorial Gym Lobby.
- ▼ Hudson Museum exhibits including "Remnants of Our Lives: Maine Women and Traditional Textile Arts."
- ▼ "Life Beyond Earth," a Planetarium show, 7 p.m. Friday; 11 a.m., 2 p.m. and 3:30 p.m. Saturday; 10 a.m. Sunday, Wingate Hall. Admission.
- ▼ Antiques, Collectibles and Craft Market, 10 a.m.-5 p.m. Saturday and Sunday, Field House and Memorial Gym. Admission.
- ▼ Public Skating, 2-4 p.m. Saturday and Sunday, Alford Arena. Admission.