



Habiba, a red-tailed hawk trained so that it is able to care for other birds' young, has taken over the brooding of the rescued chicks.

Bill Byrne/Massachusetts Division of Fisheries and Wildlife

Eyases Thrive With Foster Mom

Habiba took on her new role as a foster mother with aplomb.

No matter that Habiba is a red-tailed hawk. Her two charges — male and female red-tailed hawk chicks — are thriving in their foster home at the School of Veterinary Medicine's Wildlife Clinic.

A work crew discovered the chicks in May in an electric tower that was being painted in Sharon, Mass. They were unable to change their work schedule so the hawks could be left to mature.

Dr. Tom French, assistant director for non-game and endangered species at the Massachusetts Division of Fisheries and Wildlife, and one of the painters scaled the electric tower, removed the chicks from

their nest and rushed them to the Wildlife Clinic on Tufts' Grafton campus.

Dianne Benson, who works at the Wildlife Clinic, used her expertise, including the techniques of falconry and their application to wildlife rehabilitation to help the young birds.

Benson has been involved in the rehabilitation of birds and other wildlife for 15 years. She has been working with her hawk, Habiba, for eight years in the event that the raptor might be pressed into service as a foster parent.

Although Habiba had been well-schooled, Benson could not predict how well she would take to her 23-day-old charges.

For a tense 15 minutes, it was uncertain if Habiba would kill or nurture the eyases

(young hawks in a nest) in her cage.

With Benson's patience and encouragement, Habiba adapted to motherhood, and the two young hawks tripled their weight while in Habiba's care.

(See *Habiba*, Page 11)

Inside the News —

- **Commencement - Pages 6-8**
 - **A Partnership - Page 9**
 - **Dean's Message - Page 2**
 - **Man's Best Friend - Page 3**
-



Our Strength Is Our Students

The graduation of the class of 1986, our fourth, brings to nearly 200 the total number of graduates of the School of Veterinary Medicine. Most of them have remained in New England, either in private practice, graduate study or research. Because there are about 1,700 veterinarians in the six states, Tufts graduates now constitute over 10 percent of New England's total. In turn, over 80 percent of these Tufts graduates are native New Englanders who received an education here that otherwise would have been unavailable to them.

Controversial social issues involving animals continue to occupy a prominent place in public discourse. Particularly touching in New England has been the federal buy-out of dairy cattle and the attendant "face-branding" of affected cattle. Here in Worcester County, 15 farms will participate. Of the 667 dairy farms in Massachusetts, 66 will disappear. One farmer, whose cattle were not accepted into the program, told *The Worcester Telegram*, "From a business standpoint, we lost \$100,000. But from an emotional and psychological standpoint, I guess it's a plus because we don't have to brand our cows in the face." In Maine, 86 farmers will quit; in Connecticut, 53; in Vermont, 195; in New Hampshire, 58, and in Rhode Island, three.

A recent study by the University of Connecticut found that since 1974, the number of farms in Connecticut has actually increased, and acreage in farms has stabilized. The sources of Connecticut cash farm income were poultry (31.7 percent of total cash farm income), dairy (29.3 percent), greenhouse and nursery (17 percent), tobacco (5.4 percent), vegetables, (4 percent), fruits (3.1 percent) and other (9.5 percent). The total value of cash receipts from livestock and livestock products in 1984 was \$220,603,000.

Horses continue to represent an increasing economic force in agriculture. New Jersey, for example, is now the nation's fourth largest producer of Standardbreds and the fifteenth larg-

est producer of Thoroughbreds. According to a recent *New York Times* article, "The emergence of the horse industry has brought a bundle of benefits. It has helped the highly industrialized state keep its countryside green without taking land off the tax rolls. It has generated thousands of jobs, from stablehands to veterinarians, and has brought as much as \$3 billion a year into the state, according to state officials."

Our Foster Hospital for Small Animals has been extremely busy from the moment it opened its doors back in October. Our students, staff and faculty are delighted with the facility, and we all value the excellent relationships being built among the hospital and its clients and referring veterinarians.

Halfway through my fifth year as dean, I continue to appreciate the interest, support, and encouragement so many of you have given to me and the school. Throughout this period, I have had the benefit of a Visiting Committee, selected by the Board of Trustees, which has guided, criticized, praised and otherwise served the school during this, its most crucial period. I would like to acknowledge them here:

Henry L. Foster, D.V.M., president, Charles River Laboratories, Inc., (Committee Chair), Wilmington, Mass.

Kurt Benirschke, M.D., research director, San Diego Zoo, San Diego, Calif.

John B. Duff, Ph.D., former chancellor, Massachusetts Board of Regents of Higher Education, Commonwealth of Massachusetts, Boston, Mass.

Paul R. Gross, Ph.D., president and director, Marine Biological Laboratory, Woods Hole, Mass.

T.C. Jones, D.V.M., professor emeritus of comparative pathology, Harvard Medical School, New England Regional Primate Research Center, Southboro, Mass.

William Levin, B.A., president, Gold Mills Inc., New York City, N. Y.

Austin B. Mason, B.A., Chick-a-Tee Farm, Pepperell, Mass.

Steven P. Pakes, D.V.M., Ph.D., chairman, Department Comparative Medicine, Health Sciences Center at Dallas, University of Texas, Dallas.

Richard B. Talbot, D.V.M., Ph.D., professor, Virginia-Maryland Regional College of Veterinary Medicine, Virginia Polytechnic Institute, Blacksburg, Va.

Burton Whitestone, D.V.M., private practitioner, Belmont, Mass.

Finally, I am proud to report that even as the number of applicants to veterinary schools has declined nationally, there were nearly 400 applicants to Tufts for our 65 spaces for the class of 1990. Our students continue to be our greatest strength and New England's best and brightest.

Alumni Reunion

Mark your calendar.

The first veterinary school alumni/ae reunion will be held on the Grafton campus Sept. 20.

For more information, call Lois Shir at (617) 956-6773.

veterinary world

TUFTS UNIVERSITY SCHOOL OF VETERINARY MEDICINE

SUMMER 1986

The *Tufts Veterinary News* is a periodical progress report of the Tufts University School of Veterinary Medicine, distributed to key university personnel, veterinary students, veterinarians, and others with an interest in the development of the school.

Editor — Judith Francisco
Editorial Advisers — Rosemarie Van Camp
Dr. Franklin M. Loew, Henry T. Wilson

All letters, suggested articles, news items, and photographs are welcome and should be addressed to the Editor, Tufts University School of Veterinary Medicine, 200 Westboro Road, North Grafton, Massachusetts 01536. Telephone (617) 839-5302.

Alum Finds Success in Assonet

He looks like the actor Richard Dreyfuss. He is passionate on three subjects: his new animal hospital in Assonet, Mass.; his wife, Jennifer; and giving students from Tufts School of Veterinary Medicine a chance to see what it is really like to work in a small animal practice.

But, although he has a movie-star name and a look-alike countenance, "There is nothing glamorous or heroic about what I do," said Dr. Brooks Bloomfield, V83, shortly after he had celebrated the opening of his own veterinary practice.

Bloomfield was one of the 36 students from the first class to be graduated from the veterinary school in 1983. Since Bloomfield's graduation, the veterinary school class size has grown each year. The class of 1990 numbers 65, and this year, 57 veterinarians were graduated during ceremonies that took place on the Grafton campus.

The son of a Harvard-educated cardiologist who grew up in Newton, Mass., and Tamworth, N.H., Bloomfield "always wanted to be a veterinarian. In fact," he said, "even when I was an undergraduate at the University of New Hampshire, I was involved in the fight to have a veterinary school in New England.

"I was thrilled at the chance to come to Tufts. Selfishly, I admit that I didn't want to be far away from my family, and I wanted to be educated in my home state. What I learned at Tufts has served me well. I still administer veterinary care by the standards inherent in a Tufts education."

Starting a veterinary practice is no easy task. Unlike other professionals setting up a base of operations, the veterinarian must not only create a place in which to serve clients and patients and house support staff, but must develop a full-fledged small animal hospital as well. "A veterinary clinic," said Bloomfield, "has to function autonomously. We must have at our disposal a laboratory, radiographic equipment, a fully equipped surgical suite including anaesthesia, electrocautery and EKG machines, a pharmacy, a pathology suite and housing for sick or recovering animals."

When Bloomfield graduated from veterinary school, he did what most recent graduates do—he went to work for someone who already had established a veterinary practice. "The plan to start my own clinic had always been a dream," said Bloomfield, "but I had to wait for the right opportunity, and I couldn't have accomplished my goal without my wife's expert help and advice." Jennifer Bloomfield, who now serves as her husband's business manager and partner, had a business background. "We did a great deal of research and reading about veterinary economics as well as interior design. We did most of the



Dr. R. Brooks Bloomfield (left), V83, discusses a case with Tom Crosson, V86, at Bloomfield's animal hospital in Assonet. Crosson was the first student from Tufts to rotate through the new, mixed-practice facility.

work ourselves, with a lot of help and support from friends and neighbors. When we first started with this space, we had four walls and a bathroom."

Now fully operational with the sunny waiting room packed with clients and their pets, the Assonet Animal Hospital also provides fourth-year veterinary students and students from local colleges on contract

learning programs an opportunity for some hands-on experience.

The first Tufts student to participate in Bloomfield's new practice was Thomas J. Crosson, V86.

"I thoroughly enjoy having students here. They bring to my practice a wealth of new information that is broadening for both of us," Bloomfield said.

Forum Addresses Human-Animal Bond

Washington newspaper columnist Art Buchwald will be guest speaker at a major conference this summer on human-animal interactions.

Tufts University School of Veterinary Medicine and the Delta Society are sponsoring the conference, "Living Together: People, Animals and the Environment" Aug. 20-23 at locations throughout Boston.

Buchwald will speak at an evening session Tufts will host at the Arthur M. Sackler Center for Health Communications on Tufts' Boston campus. Admission is free, but seating is limited. For more information, contact Sheryl

Blair at the veterinary school, (617) 839-5302, mornings only.

Roger Caras, the only TV network news correspondent who reports on animals, wildlife and the environment, also will address the conference.

The symposium will be the most comprehensive forum in the field to date, according to conference organizers.

The conference will include workshops, demonstrations, tours, exhibits and special events. Sessions will address such issues as pet keeping, people and nature, human attitudes toward animals, children and animals, animal abuse and pet therapy.

(See *Vet*, Page 4)

They Raced For The Hungry

When 21 runners from across the United States and Canada met for a three-day weekend in Boston this spring, they had two common goals: each wanted to finish the Boston Marathon, and each wanted to help raise funds for Heifer Project International.

The Heifer Project is an international charitable organization that sends gifts of livestock to the hungry of other nations in order to help people help themselves.

"It seemed only natural that people in the veterinary profession would want to participate in this," said Dr. Edward "Bud" Ames, who is captain of the running team and who came up with the idea three years ago. "When we first started three years ago, it was only me and my friend Bob Hakes. Needless to say, it is great to have this much support."

Tufts School of Veterinary Medicine not only acted as co-host to the energetic group of part-time athletes but also supplied an active participant—second-year student Greg Fox. Like many of the runners on "Team Heifer," Fox is a seasoned marathoner. His run was supported by many of his classmates, faculty members and Dean Franklin M. Loew. Fox led the team by finishing the race in two hours and 45 minutes.

Team Heifer included 11 veterinarians, a veterinary technician, two clergymen and several enthusiastic friends. They brought with them to New England a cheering section of wives, friends and children, and enjoyed tours



TUSVM second-year student Greg Fox ran the Boston Marathon this year on behalf of Heifer Project International. Fox, a seasoned marathoner, is interested in a career in equine sports medicine.

of the veterinary school's Grafton campus, a spaghetti dinner at Overlook Farm (HPI's northeast headquarters in Rutland, Mass.), a press reception at Tufts' new Arthur M. Sackler Center for Health Communications in Boston and, of course, the race.

- **Dr. M.S. Anwer**, chairman of the Research Committee of the American Association for the Study of Liver Diseases, presented several papers at the American Gastroenterological Society annual meeting in San Francisco in May.

- **Drs. Nancy Clark, Frank S. Pipers and Stephen White** presented papers at the Canine and Feline Symposia for Owners and Breeders presented by the School of Veterinary Medicine and the American Animal Hospital Association in May at the Hastings School in Westboro, Mass.

- **Dr. Susan Cotter** recently presented papers on feline leukemia at the Armed Forces Institute of Pathology and the Veterinary Medical Forum of the American College of Veterinary Internal Medicine.

- **Dean Franklin M. Loew** gave the keynote address at the New England Environmental Conference organized by the Lincoln Filene Center on Tufts' Medford campus in March. In addition, Loew has given three lectures at the National Institutes of Health and one at Harvard on the new regulations regarding animals in research, and presented a paper at the Minority Biomedical Research Symposium of the National Institutes of Health in New Orleans, and at the National Conference of University Research Administrators. On June 1, he was the speaker at the seventh commencement of the College of Veterinary Medicine at the University of Florida.

- **Dr. George Looby** has been elected to the board of directors of the American Minor Breeds Conservancy, an organization dedicated to the conservation of disappearing breeds of farm livestock.

- **Dr. Cheryl Mehlhaff** has passed the board examination of the American College of Veterinary Surgeons, given in Orlando, Fla., in February.

- **Drs. Robert Murtaugh, James N. Ross, Linda Ross and Stephen White** presented papers at the 53rd annual meet-

Vet School, Delta Society Sponsor Forum

(Continued from Page 3)

Experts from Tufts, MIT and Yale will talk about the latest scholarly positions on environmental issues, ethics, aspects of education and service programs with animals.

Three Tufts veterinary school faculty members will deliver talks at the conference: Dr. Andrew Rowan, director of the Center for Animals, Dr. Elizabeth Lawrence, anthropologist, and Dr. Amy Marder, animal behaviorist. Veterinary school Dean Franklin M. Loew will chair one of the sessions.

Other sponsors of the conference include: the American Animal Hospital Association, the American Veterinary Medical Association, the French Association for Information and Research on Companion Animals, the Humane Society of the United States, the Institute for Interdisciplinary Research on the Human-Pet Relationship (Austria), the Joint Advisory Committee on Pets in Society (Australia), the Massachusetts SPCA, the New England Aquarium and the Society for Companion Animal Studies (United Kingdom).

The Delta Society is a nonprofit research, educational and service organization that fosters relationships among people, animals and the environment. It promotes research on human-animal interactions, maintains a national resource library and serves as a consultant to local people-animal programs.

For a complete listing of all conference events, contact Lynn Grotzky, Delta Society, Century Building, Suite 303, 321 Burnett Ave., S., Renton, WA 98055.

ing of the American Animal Hospital Association in March.

- **Dr. Eric Overstrom**, assistant professor of anatomy and cellular biology, recently presented an invited seminar at the College of Veterinary Medicine and the Department of Animal Science at the University of Tennessee in Knoxville. The seminar was titled "Application of Biotechnology to Studies of Embryonic Development in Swine." Overstrom recently was awarded a three-year grant for \$291,913 from the National Institutes of Child Health and Human Development titled "Blastocyst Viability: Assessment of Oxidative Metabolism" to continue his studies of early embryonic development in mammals. In addition, Overstrom and **Dr. David Albertini**, associate professor of anatomy and cellular biology, have been awarded a \$115,109 grant from the U.S. Department of Agriculture for a two-year research project to study "Cellular Differentiation During Development of the Porcine Blastocyst." The research will be conducted at the Boston and Grafton campuses.

- **Dr. Michael Pavletic** has been named chief of the section of small animal surgery at the Foster Hospital for Small Animals.

- **Dr. Al Sollod** was asked to participate in a Harvard University symposium, "Can Better Land Management Help Solve World Hunger?" The event was sponsored by the Environmental Action Committee of Phillips Brooks House Association, an undergraduate organization striving to educate the Harvard community about its environment. The symposium was held at the Belfer Center at the JFK School of Government in Cambridge in April.



Dr. Stephen White performs an allergy test. White's research has demonstrated that dogs and cats may have allergic reactions to many things, including foods and fleas. A six-step outline that White has developed for maximum flea control is available at no cost by writing to: Office of Information, Tufts University School of Veterinary Medicine, 200 Westboro Road, North Grafton, MA 01536. White is a diplomate of the American College of Veterinary Dermatologists.

Sahagian Named Searle Scholar

G. Gary Sahagian, assistant professor of physiology at the School of Veterinary Medicine, has been named a 1986 Searle Scholar.

Tufts will receive a grant of \$180,000 to support Sahagian's research for three years. Sahagian, who joined the Tufts faculty in December 1984, is one of 18 outstanding biological research investigators picked as Searle Scholars.

Sahagian was chosen from 200 applicants, according to Dr. Cedric L. Chernick, director of the Searle program. Chernick said that each year, 100 universities each are invited to sponsor two applicants for awards.

The grant recognizes Sahagian's innovative research in lysosomal enzyme transport. The work centers on the degradation of constituents of the living cell, a process carried out for the most part by lysosomes, small sacs of digestive enzymes found in the cytoplasm of almost all cells of plants and animals.

Born in Cranston, R.I., Sahagian did his undergraduate work in physical chemistry at Cornell University and went on to the University of Michigan to earn a Ph.D. degree in biological chemistry. It was during his time at Michigan that he got started in his current field through work on genetic diseases. From 1981-85, he worked at the National Institute of Arthritis, Diabetes and Digestive and Kidney Disease.

The Searle Scholars program is supported by funds derived from trusts established under the wills of John G. and Frances C. Searle. Searle, who was president of the research-based pharmaceutical company, G.D. Searle & Co. of Skokie, Ill., died in 1978. The Chicago Community Trust, a community foundation of nine Chicago banks and trust companies, administers the Searle program.

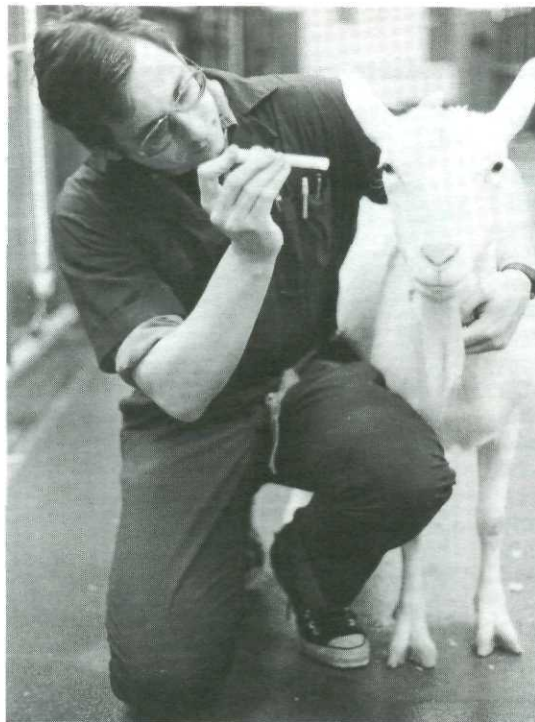


Tufts University President Jean Mayer (right) became a client this spring at the Foster Hospital for Small Animals when his dog, Dudley, underwent prostate surgery. Dr Michael Pavletic (left), was the surgeon on the case.

Commencement '86



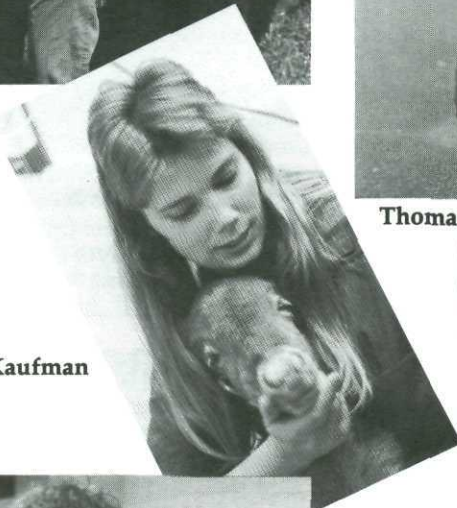
**Lee
Hinerfeld**



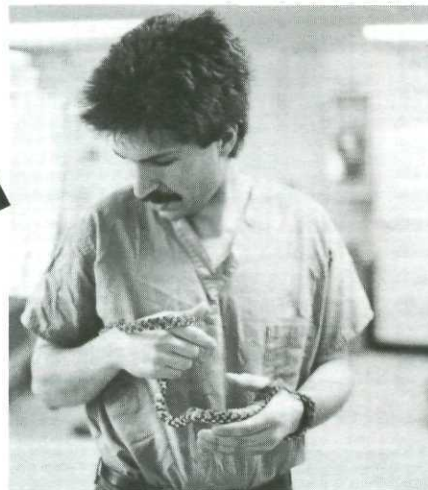
Thomas deMaar



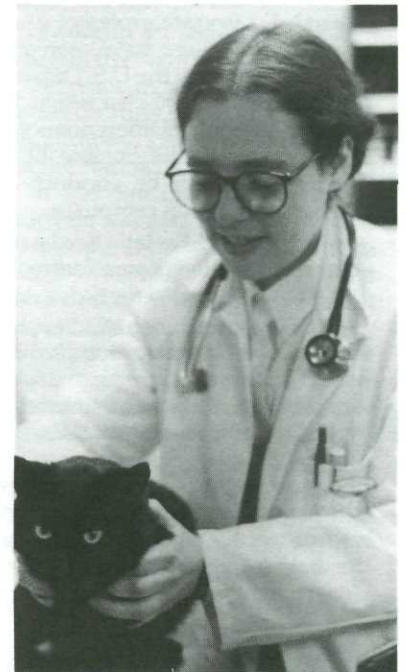
Janice Baserga



Gretchen Kaufman



Dwight Baghdoyan



Nadine Osdin



Karen Krueger

Class of 1986

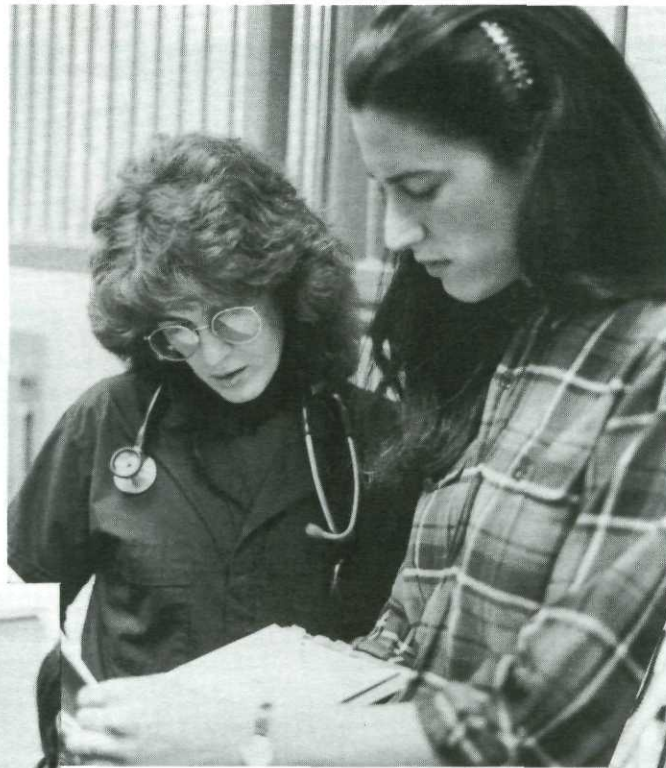
Katrina Renée Altmaier
A.B. Bowdoin College
Dorothy Thorndike Arnold
B.S. Colby-Sawyer College
Andrea Carol Autorino
University of Connecticut
Dwight Vazken Baghdoyan
B.S. Cornell University
Cady Barns
B.A. Denison University
Janice Renée Baserga
B.S. Mount Holyoke College
Nancy Duke Beury
Northeastern University
Matthew Bond
B.S. Eastern New Mexico University

Elizabeth Sparlin Bradt
B.A. Wellesley College
Kevin Robert Clarke
B.S. Boston College
Thomas J. Crosson
B.S. University of Massachusetts at Amherst
Thomas W.J. deMaar
B.S. Tufts University
Cheryl Ann DiGangi
A.B. Smith College
Matthew Leland Dunaif
A.B. Sarah Lawrence College
Eric Lawrence Eisen
B.S. University of Massachusetts at Amherst

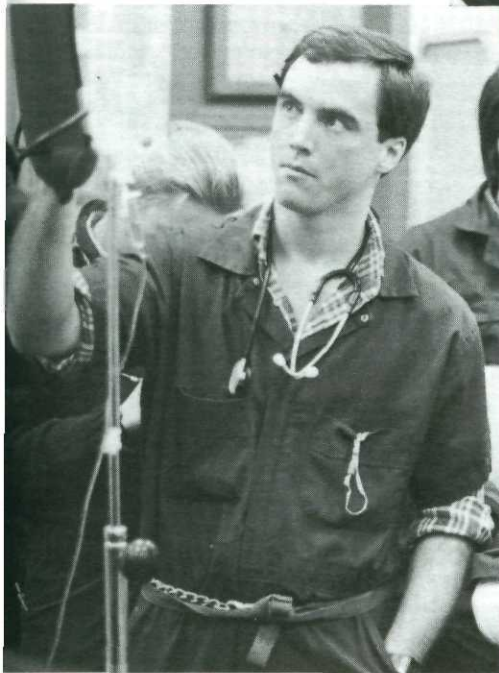
Elaine Stanley Gilleece
B.S. Simmons College
Orly Harari
B.A. Hebrew University
Karen Anne Heaton-Walsh
B.A. Wellesley College
Lauren C. Hill
A.B. Cornell University
Lee Ann Hinerfeld
A.B. Vassar College
Ronna Susan Kabler
B.S. University of Massachusetts at Amherst
Jeffrey Roy Kaplan
B.S. Cornell University

Robin J. Karlin
B.A. Pomona College
Gretchen Elise Kaufman
B.S. Tufts University
Martin Wayne Kaufman
B.A. Brandeis University
George August Kramer III
B.S. University of Maryland
Karen L. Krueger
B.A. Mount Holyoke College
Michele Kudisch
B.S. University of Massachusetts at Amherst
Kevin Joseph Mara
B.S. Fitchburg State College

Commencement '86



Andrea Autorino

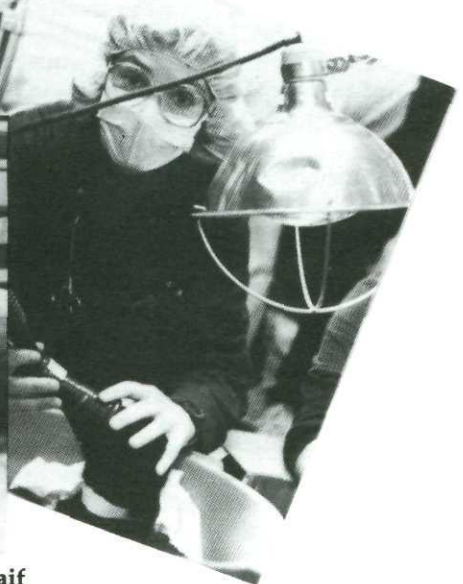


John Rosseel

Nancy Beury, Dr. Elisabeth Morris



George Kramer, Dr. Allan Bachrach, Matthew Dunaif



Ronna Kabler

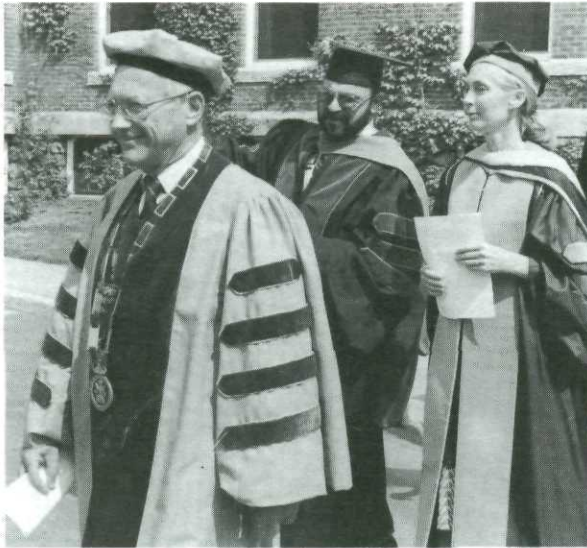
Bonnie Jean McArthur
B.S. Rutgers University
David James McGrath III
A.B. Cornell University
Jeffrey Scott Milburn
B.S. Tufts University
Marianne Lee Moseley
B.S. Colorado State University
Nancy Gold Nathan
B.A. Wellesley College
Terry M. Norton
B.S. New Mexico State University
Nadine R. Osdin
A.B. Cornell University
Mary Martha Patterson
B.S. University of Michigan

Amy Lind Perille
B.A. Lawrence University
Annette Franziska Rauch
B.S. Syracuse University
Michael James Reilly
B.S. Purdue University
Brandon Philip Reines
B.S. University of Massachusetts at Amherst
Daniel P. Roher
B.S. Siena College
John A. Romero
B.S. New Mexico State University
John R. Rosseel, Jr.
B.S. University of Massachusetts at Amherst

Andrea R. Russo
B.A. Hampshire College
M.A. Ross Salisbury
B.S. Chatham College
Carol Linda Schaub-Gray
B.S. University of Maryland
Jessie Rebecca Shayevitz
B.A. Connecticut College
Cynthia A. Smith
B.A. Assumption College
Donna Lynn Stadtmore
B.S. University of New Hampshire
Janet M. Tast
B.S. State University of New York at Stony Brook

Diane M. Thomas
B.S. West Virginia University
Francine Lynn Tuerk
B.S. Wesleyan University
Amy P. Wood
B.S. University of Massachusetts at Amherst
Sandra Yosha
B.S. Indiana University
Joan C. Young
B.S. Southeastern Massachusetts University
Susan I. Zuroff
B.A. Tufts University

Commencement '86



President Jean Mayer, Dean Franklin M. Loew, Dr. Jane Goodall

Veterinarians have a "special responsibility" to love and care for other species, Jane Goodall, a well-known expert on chimpanzees and other primates, told graduates of Tufts School of Veterinary Medicine during commencement ceremonies May 18.

A crowd of about 2,200 gathered to see the 57 members of the school's fourth graduating class receive their diplomas on the Grafton campus.

"It is quite clear that we have inherited aggressive tendencies from our primate relatives," Goodall said, "but we must never forget that we have, as deeply rooted, the ability to love and care for other species, and (you) have a special responsibility to use that ability."

Other commencement speakers were Tufts President Jean Mayer, veterinary school Dean Franklin M. Loew, faculty member Dr. Harold Hammerquist and Dr. Henry L. Foster, a member of Tufts Board of Trustees and a university benefactor.

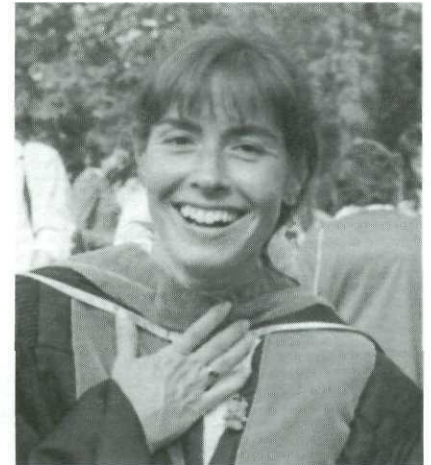
In introducing Goodall, Mayer said, "Dr. Goodall has changed the way we think about ourselves and the way we think about our cousins, the chimpanzees, as well as all other species."

Loew presented two awards to veterinary school faculty members. Dr. Mary Rose Paradis, assistant professor of medicine and director of the neonatal intensive care unit, received the Norden Distinguished Teacher Award, and Dr. Sawkat Anwer, assistant professor of biochemistry and pharmacology, received the Beecham Award for Research Excellence. During the awards presentation, a small plane circled overhead, trailing a flag with a congratulatory message to the Class of 1986.

Loew, Dr. Irwin Leav, associate dean for academic affairs; Dr. Anthony Schwartz, associate dean and professor and chairman



Sandra Yosha and daughter, Melissa

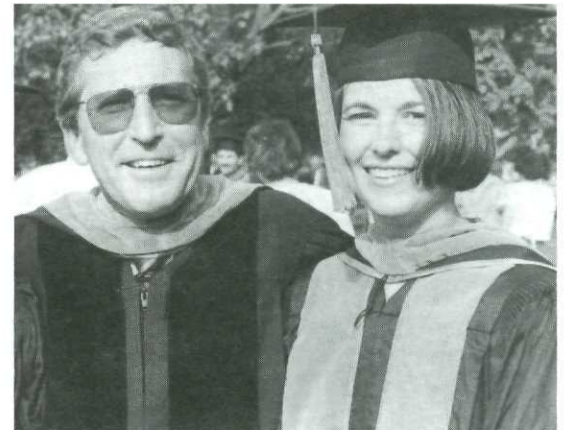


Janet Tast

Photos by Margie Arnold



Dorothy Arnold and son



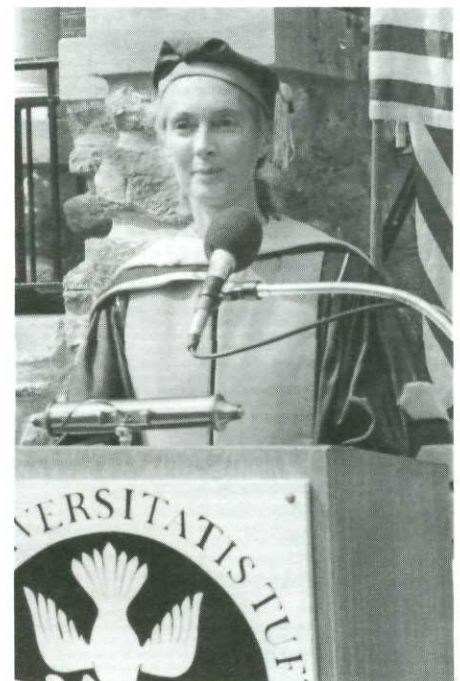
Dr. James Ross, M.A. Salisbury

of the department of surgery, and Barbara Berman, director of student services and financial aid, presented diplomas to 38 women and 19 men.

Graduate Sandra Yosha's 3-year-old daughter, Melissa, rushed in from the sidelines to join her mother and the other graduates.

The veterinary oath was administered by Dr. Howard Phillips, president of the Massachusetts Veterinary Medical Association.

A number of students received special awards. Andrea Autorino received the Equine Award in medicine, and Michael Reilly got the Equine Award in surgery. Amy Perille won the Auxiliary to the American Veterinary Medical Association Senior Student Award, and the American Animal Hospital Association Award went to Bonnie McArthur, who also won the Miss Amelia Peabody Award. Cady Barns was awarded the Livestock Proficiency Award, and Andrea Russo won the Hill's Pet Food Senior Paper Award for her paper on nutrition.



Dr. Jane Goodall

Partnership Creates Job Opportunities

With only 31 schools of veterinary medicine in the United States and Canada, it is easy to understand that not everyone who aspires to become a veterinarian will have the opportunity.

But an increasing number of small colleges and schools have recognized the need and have developed programs for those who want to pursue other careers in animal health and welfare.

Mount Ida College in Newton, Mass., is an example. "Mount Ida is a small, private liberal arts college with a two-plus-two academic structure," said James Martin, vice president for academic affairs. "In the case of someone working toward a degree in veterinary technology, the program changes to three-plus-one, which means they work toward a three-year associate's degree plus an expanded year that consists mostly of clinical exposure," Martin said.

In order to provide students with the necessary clinical exposure, Mount Ida formed a partnership with Tufts School of Veterinary Medicine in 1982. Ten to 15 Mount Ida students a year have rotated through the veterinary school during the two schools' four-year association. "Only a very small percentage of the Mount Ida student body is enrolled in the veterinary program," said Martin. "At the same time, however, it is one of our most attractive programs."

Mount Ida offers veterinary technician and veterinary technology courses. Both are accredited by the American Veterinary Medical Association. Whether they work toward the associate or bachelor's degree, all students have rotations through the U.S. Department of Agriculture's Human Nutrition Research Center in Aging on Tufts' Boston campus for laboratory animal medicine, Tufts' Foster Hospital for Small Animals and the Hospital for Large Animals



Andrew Oliver, 21, was the first male to receive a bachelor of science degree in veterinary technology from Mount Ida College. During his clinical rotation, he worked closely with the veterinary school's Dr. Robert Lofstedt on aspects of large animal medicine, reproduction, artificial insemination and theriogenology. From left, Lofstedt, Richard Wood, breeding manager, and Oliver.

in Grafton, the South Shore Veterinary Associates' hospital in Weymouth, the New England Aquarium and the Franklin Park Zoo in Boston.

Andrew Oliver, 21, was the first male awarded a bachelor of science degree in veterinary technology from Mount Ida. Oliver, who is from Fairhaven, Mass., wants to "help dairy cattle farmers keep their herds healthy and productive." Oliver said he selected Mount Ida "because of its affiliation with Tufts. I've really enjoyed my work here," he said, "because I have had so many opportunities to assist and take an active part in caring for large animals."

Career opportunities for veterinary technicians and technologists continue to grow. "We have had a record number of job offers for our seniors," said Diane Tracy, director of the veterinary science program at Mount Ida. Tracy, who is president-elect of the Massachusetts Veterinary Technician Association, has witnessed the professional opportunities for those in adjunct animal health care roles increase dramatically since the field began to develop in the early 1970s.

For more information about career alternatives in animal care, write to Diane Tracy, Mount Ida College, Newton, MA 02159.

Kleine Pushes Total Oncology Program

Radiation therapy is being used successfully in treating some kinds of cancer in dogs and cats, according to a Tufts University study.

"About 40 percent of all tumors of the head and neck — which are the most common — can be controlled with radiation therapy for a period of three years," said Dr. Lawrence Kleine, associate professor of surgery and head of radiology at Tufts School of Veterinary Medicine.

Dogs and cats have a high rate of squamous cell carcinomas, and Kleine's study indicates that those tumors are the

most sensitive to radiation. Most of these tumors occur in older animals, he said.

However, there are no facilities in New England to administer such treatment, Kleine said.

Kleine's goal is to establish such a facility at Tufts New England Veterinary Medical Center in Grafton. The facility, he said, would not only do radiation therapy but provide "a total oncology program that would offer clients chemotherapy, immunotherapy and surgery or combinations of these treatments for their pets."

"It is frustrating to know that we have the

knowledge and even some of the equipment," Kleine said, "but in order to be able to offer our patients radiation therapy, we would need almost a half-million dollars in donations."

Donors already have offered the veterinary school an orthovoltage unit, a cobalt unit and a CT unit. "We are hindered in our acceptance of any of this equipment because we do not have the physical plant in which to house such units, and we do not have the money to install and put to use any

(See Oncology, Page 11)

Tufts Enters CID Battle

New England's only veterinary school has joined the scientific fight against combined immunodeficiency disease (CID).

The Morris Animal Foundation in Englewood, Colo., has funded the first part of a three-phase grant proposal to study the deadly genetic defect that kills Arabian foals.

A team of Tufts scientists headed by Dr. Thomas North will focus its efforts on developing the "carrier test that will be the key element in attempts to reduce or eliminate CID," said North.

Additional funding for the next phases of North's proposal will come, it is hoped, from the International Arabian Horse Association's (IAHA) \$5 membership fee, most of which will go to the IAHA and to the Morris Animal Foundation, and partially from private donations.

The Tufts team, called the Equine Neonatal and Reproductive Disease Group, will study CID at the genetic level. From three different approaches, the team will work toward the development of a carrier test.

Dr. Mary Rose Paradis, the only clinician in the group, is a member of the Department of Medicine at the school's Hospital for Large Animals in Grafton, Mass. Paradis developed and is in charge of the neonatal intensive care unit at the veterinary medical center on Tufts Grafton campus.

"Our goal at Tufts," said Paradis, "is to prevent and eradicate the lethal and heart-breaking disease by identifying breeding animal carriers so that CID foals are not born. But in order to carry on our research, we will need funding to cover the cost of equipment and herd maintenance, which is not included in the Morris Animal Foundation grant. In addition, we will need donations of known CID carriers as well as diagnosed CID foals."

For more information on CID research at Tufts, contact Judy Francisco at the Public Information Office, (617) 839-5302, Ext. 4775, or Lee-Ann Day, director of development, (617) 839-5302, Ext. 4728.



Beef Cattle Center Dedicated

Down on the Farm With Jeffrey Erickson



DEDICATION — Pauline Moore Nickerson and veterinary school Dean Franklin M. Loew attend the dedication in June of the new Beef Cattle Instructional Research Center on Tufts' Grafton campus.

Dr. Jeffrey Erickson is a land baron of sorts. As director of agricultural and aquatic sciences at the School of Veterinary Medicine, he has responsibility for more than three-fourths of the 634 acres that comprise the school's Grafton, Mass., campus.

Erickson uses 580 acres to raise livestock, trees and crops for the benefit of Tufts students as well as farmers and agriculturalists throughout New England. He also teaches and conducts seminars.

An expert in livestock management, crop production and land reclamation, Erickson is particularly interested in the development of hybrid plants that can be used as alternative feed and that could be genetically adapted for use in northern tier states.

A faculty member since the veterinary school opened in 1979, Erickson has implemented and shepherded the growth of the agricultural and farm animal programs at New England's only veterinary school.

"Without the help and support of many people, none of what we have been able to accomplish would have been possible. In order to be able to develop our agricultural teaching and research programs as well as keep various livestock herds, major renovations of existing buildings and con-

struction of new buildings had to occur," Erickson said.

Some of those who have supported and continue to support the agricultural programs at the veterinary school include the Gibbett Hill Foundation, the Massachusetts Society for Promoting Agriculture, the George and Sybil Fuller Foundation, Pauline Moore Nickerson, Dr. Cornelius Thibeault, Lloyd Waring, Michael Dingman and the late Miss Amelia Peabody.

The newest building is the Beef Cattle Instructional Research Center, which was dedicated June 4. In addition to providing shelter for livestock, the barn is designed to accommodate large groups of students and members of agricultural organizations for teaching and demonstration purposes.

"Additionally, of course, we had to cultivate the soil for crops, put up fences and then be able to maintain on a year-round basis a working model farm," Erickson said.

The school keeps herds of Angus and polled Hereford beef cattle, Duroc and Yorkshire swine and Dorset, Suffolk and Hampshire sheep. Crops include alfalfa and timothy hay, corn grain, triticale (a wheat/rye hybrid cereal grain), silage and harvest timber.

Oncology

(Continued from Page 9)

of the units individually," Kleine said. "But we are young and growing fast, and I am optimistic."

Kleine said the primary goal of the proposed facility would be "to improve animal health and relieve animal suffering by applying our knowledge and physical resources to the treatment of neoplastic disease by serving as a referral center for the northeastern part of the United States."

"Cancer is not a monolith," Kleine said. "It is a variety of things. Through the treatment of these tumors, we can learn more about the biology of cancer. Additionally, we would be fostering the Tufts one-medicine concept by developing a comparative oncology therapy program with Massachusetts General Hospital, Tufts' Medical School and other local medical schools. By this means, we will create new knowledge that will improve human health."

Kleine also said the facility would give veterinary school students "a better understanding of the role of the various methods of treatment in neoplastic disease as well as give the section of radiology the opportunity to develop an exemplary radiology residency program."

Habiba Provides Feathered Foster Care

(Continued from Page 1)

The young birds were placed in their natural habitat in yet another "foster nest" in June. Officials at the Wildlife Clinic hope they will join other hawks because the chicks were exposed to as little human contact as possible.

"Ideally, animals being rehabilitated should have very little exposure to human beings, because if they imprint (depend) on those who care for them, they find survival extremely difficult in their natural environment," Benson said.

Benson has spent many long hours training Habiba to be a foster mother. "I have literally spent up to eight hours at a time, several times a week just sitting with Habiba and studying her," said Benson,

who has often been called upon by state officials because of her expertise in raptor behavior.

"We are very pleased with Dianne's achievement," said Dr. Charles Sedgwick, director of the Wildlife Clinic. "This thing that has happened here is rare, but it's not impossible. It requires somebody who is extremely knowledgeable about a particular individual animal — a master craftsman."

Tufts veterinarians say Benson's technique — controlling a bird's behavior and training it to care for another bird's young — could be used to save endangered birds and return them to the wild. This experimental work is being done primarily with owls and whooping cranes, and so far, the technique has proved successful.

Cat Club Establishes Permanent Scholarship Fund

Cats — Plain & Fancy Cat Club has established a \$25,000 endowed permanent scholarship fund for Tufts veterinary school students who are interested in feline medicine or research.

"This is something we've always wanted to be able to do," said Saralee Irwin, a member of the cat club board.

The club sponsored a successful cat show in February at the Copley Plaza Hotel in Boston and was able to raise enough money

for the scholarship fund.

The club, incorporated in 1978, started supporting the veterinary school before it opened its doors to students in 1979.

Most recently, the club assisted Michelle Kudisch, V86, who met the club's requirements of demonstrating an interest in studying feline disease and promoting feline health and welfare. Kudisch earned an internship at Angell Memorial Animal Hospital in Boston.

"We will continue to set higher fund-

raising goals," Irwin said. "It has been extremely rewarding to have been able to participate in Dr. Kudisch's development as an outstanding young veterinarian, and we are looking forward to helping others like her."

If your club is interested in finding out more about how to start an endowed fund at Tufts School of Veterinary Medicine, contact Lee-Ann Day, director of veterinary development, 200 Westboro Road, North Grafton, MA 01536, (617) 839-5302 Ext. 4728.



Dr. Neil McKenzie, past president (left), and Dr. Howard Phillips (right), president of the Massachusetts Veterinary Medical Association (MVMA), present Dean Franklin M. Loew with the MVMA plaque noting each recipient of the association's Distinguished Service Award. The plaque is hung in the Foster Hospital waiting room.

STAT Raises \$6,000 for Tuition Aid

Students at the School of Veterinary Medicine raised more than \$6,000 for tuition assistance this year during their third annual auction.

The auction to benefit the Student Tuition Assistance Trust (STAT) was held in May at the Westboro Plaza Hotel in Westboro, Mass.

Two guest auctioneers offered their services for the second time: Mosi Tatupu,

a fullback with the AFC champion New England Patriots, and Dr. Robert Lawrence, husband of veterinary school faculty member Dr. Elizabeth Lawrence.

Dean Franklin M. Loew led off the evening's festivities with a fresh supply of amusing anecdotes for which he is well known.

Items on the auction block included jewelry, artwork, antiques, oriental rugs, giant rawhide dog bones and a bathroom sink.

Students already have started collecting items for next year's auction. "We are open to anything anyone wants to give us," said Bill Sager, V87. All donations are tax deductible.

"I want to take this opportunity to thank everyone who worked so hard this year," Sager said. "There are many first- and second-year students who were very helpful, but I would especially like to mention Liz Devitt, V88, Leslie Gerhard, V88, and Amy White, V89. And the evening wouldn't have been the same without the excellent support of Mosi Tatupu, Bob Lawrence and Dean Loew. We are looking forward to making 1987 an even bigger and better year."

For more information on the STAT auction and how to donate items, write to Sager c/o the Tufts University School of Veterinary Medicine Development Office, 200 Westboro Road, North Grafton, MA 01536.

You Don't Have To Put Up With Bad Dogs

Although many Americans clearly enjoy their pets, an alarming number of animals who exhibit behavior problems "are quickly abandoned, given to shelters or put to sleep," Tufts veterinarian Amy Marder said.

"Sadly, most pet owners are not aware that behavior problems can be treated," said Marder, who has been working at



DR. AMY MARDER

Tufts' Foster Hospital for Small Animals since last October.

Marder, who specializes in companion animal behavior, is conducting an ongoing series of "Puppy Workshops" this summer that are designed to provide dog owners with the knowledge that will help prevent serious behavior problems.

"Ideally, it is far better to prevent undesirable behavior from occurring in the first place," Marder said.

The workshops will be held once a week for seven weeks and continue throughout the year. Each class runs for 30 minutes and will be held on the Grafton campus of Tufts New England Veterinary Medical Center. Each seven-week session costs \$50, and puppies ages eight weeks to 12 weeks are eligible. All puppies must be under the care of a veterinarian and be undergoing routine vaccination.

The workshops will address normal canine behavior, the causes of behavior problems and some common problems, such as housebreaking and chewing. Owners also will learn some techniques for preventing some of the most serious adult dog behavior problems.

Marder will be assisted by Maria Ciampa,



GOOD BEHAVIOR — Liz Kemp of Framingham, Mass., attends a Puppy Workshop with her golden retriever, Whit. They were referred to the workshop by Dr. Stephen Lavidor of the Framingham Animal Hospital.

special events coordinator and a veterinary technician.

For more information and registration for Tufts' Puppy Workshops, contact Ciampa at (617) 839-5302 Ext. 4772.

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Mr John A Seaverns
7 Atwood Street
Wellesley, MA 02181

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