



BIOLOGY CURRENTS

FROM THE CHAIR

This past year has been a particularly difficult one in many respects. The terrible events of September 11 and their aftermath could in part be observed from the QC campus; they left an imprint that will never be erased from our minds. They also dealt a massive and broad-ranging blow to the economy of the metropolitan area, especially to the already weakened financial industry which is a significant income source for both New York State and New York City. The result was major cuts in the CUNY budget, which for Queens College meant more belt-tightening even after several years of an austerity budget. In addition to financial difficulties, the Biology Department incurred several losses in personnel which are highlighted in this issue of *Biology Currents*. All of this made for a grim time of it, but let me assure you that despite these difficulties the Department is growing and moving forward. We are accomplishing a great deal with our current resources and much more is planned for the future. I would like to outline just a few of the things going on.

We have begun several initiatives this year aimed at enhancing the educational environment for our students. Dr. Karl Fath joined our faculty this past fall, bringing our current number to 15 full-time faculty members, unfortunately still below the 24 faculty that existed just a few years ago. New faculty mean more diversified course offerings, and more opportunities for students to become involved in the scholarly activities of the faculty. This year the Department is involved in two new faculty searches: one for a molecular evolutionary biologist and the second for an individual involved in regulation and signaling in a model genetic organism.

Enrollment in Biology courses is again on the rise. For the past several years, the total enrollment at Queens College had decreased dramatically and this directly impacted our student numbers. This year this unfortunate trend has turned around and, while student enrollment at Queens College increased about 10%, enrollment in Biology courses increased about 25%. We believe this reflects our efforts to increase the number and diversity of courses offered by the Department at all levels, including undergraduate courses for the non-science and the science major, as well as graduate courses for the Biology Master's Programs. We hope to continue on this path but our ability to do so will depend in large part on our ability to increase the number of Biology faculty and expand into new areas of expertise, such as genomics and bioinformatics.



Photo: Nancy Barreis

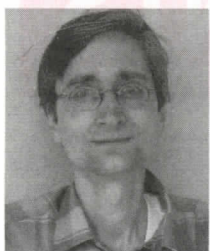
World Trade Center under attack, as seen from QC campus

The research environment in an academic community is an essential component in the educational process, particularly in the sciences. As can be seen in this issue of *Biology Currents*, our faculty members continue to be active scholars and both undergraduate and graduate students take part in research projects with faculty, present their work at scientific conferences, and are authors on scientific publications. While funding from grants supports the bulk of these endeavors, alumni funds also are important. The Biology Department Colloquium, a weekly presentation by invited scientists from other universities and institutes, provides an opportunity for students and faculty to keep abreast of the field. A listing of this semester's speakers can be found on the Department's website (www.qc.edu/Biology); it should be noted that alumni funds supplement College and Department budgets to make this program a success.

The Department is undergoing a self-study, our first in over a decade. This is our opportunity to evaluate our strengths and weaknesses and to identify threats and opportunities. The "Self-Study" document produced will outline for the College administration the directions in which we hope to develop. The long-term goal is to better serve our students and provide the best educational experience possible. While the details are yet to be determined, our intent is clear. We plan to enhance our curriculum, improve student advisement, enrich the research environment, and expand student research opportunities. We welcome any suggestions regarding programs/projects that you feel would help us meet these goals or any comments on your experience at Queens College that might guide us in our deliberations. Send these to me by mail or email (corinne_michels@qc.edu).

Corinne A. Michels

New Faculty



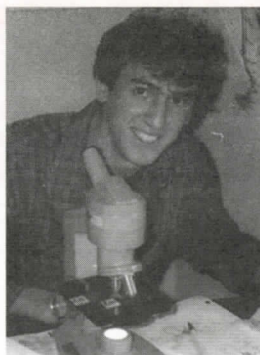
Karl Fath joined the Biology faculty in September 2001 and has been busy with the tasks of first-year faculty: establishing a research lab, sending off an NIH grant application, and learning to pronounce the names of his students, whom he describes as the most diverse he has seen anywhere.

Karl earned a BS from Eastern Mennonite University in Harrisonburg, VA, graduating *summa cum laude* with a perfect 4.0 GPA. He received his Ph.D. five years later from Case Western Reserve University in Cleveland, not far from the Ohio countryside where he spent his childhood.

Karl has had diverse post-doctoral experience, including assistantships at the University of Pittsburgh and the Johannes Gutenberg University in Mainz, Germany (where he traveled to spend time with his wife Anke, a Fulbright scholar from Germany). However, Karl's most intense scientific experiences have come from summers spent at Woods Hole Marine Biological Labs, where Nobel Prize winners and graduate students mix in the laboratories, at lectures, and on the beach.

Karl's formal research interests are focused on cell polarity and Golgi membrane trafficking. His personal biological passion is bird watching. He brings his binoculars when traveling to scientific meetings, and has made detours to Jamaica Bay when picking up friends at JFK. His whole family shares the passion, and on Mother's Day the Faths hold a family reunion at Magee Marsh, off Maumee Bay on Lake Erie. He recalls nightjars sleeping on tree limbs, and seeing such rarities as the female painted bunting.

Karl arrived at Queens College only a week before the events of September 11. He is therefore uncertain how much normal life he has seen here. But in at least one respect, the move has brought a measure of normalcy. Previous to coming here, Karl and Anke had spent only 6 months of their 3-year marriage together – the penalty of starting 2 separate academic careers. But since September, Anke has found a position teaching political science at CW Post College, and the couple now live on Long Island, with their family dog Black Jack. Karl says he is excited at the opportunity to train students in his laboratory at QC. He feels confident the lab will make strides in understanding the biological bases of a number of diseases that result from defects in transport between the Golgi and the cell surface.



Tom Gardner, 1952-2001

The Biology Department lost one of its own in the 9/11 World Trade Center tragedy. Tom Gardner was a Biology graduate (*cum laude*; Biology honors) who was also a fireman in the Section on Hazardous Materials. On September 11, Tom was covering for a friend at the Maspeth Firehouse. The company could see the burning skyline of the

World Trade Center from their station and got to the scene in record time as traffic parted.

Tom and his mates left their truck at Vesey Street and walked to WTC-1, where they were directed to go to floor 12. They were never heard from again; their empty truck was one of the host of silent vehicles shown on TV news. At the time of this writing, Tom's remains have not been found. He leaves behind his wife, Elizabeth, and two children, Amy, 9, and Christopher, 7.

Tom grew up in Flushing and attended Queens College on a part-time basis, scheduling his coursework around his full-time job at the Fire Department. However, Tom persisted and got his degree in 1995. He had taken a full dose of advanced courses in biology and chemistry, and additional courses in education with the intention of teaching high school science after retiring from the Fire Department.

Elizabeth recalls these years in their 1-bedroom apartment. Tom was always studying, and she had to watch TV with headphones on so the room would be quiet. Science paraphernalia took up space: a microscope was installed in one corner, and there were materials from assorted research projects from courses such as genetics and ecology.

Tom loved nature, and took pleasure in identifying plants and animals in the woods. He went on an Audubon Society safari to Africa at age 21, and volunteered at the Bronx Zoo and the Queens Hall of Science. With Elizabeth, he traveled to Montana and Arizona, and hiked the Grand Canyon. When the children came, the whole family went camping in the Maine woods, where it was Elizabeth's task to keep finding new plants for him to identify.

For all who knew him, Tom's bright gaze and generous outreach to the world will remain in vivid memory. For the potential students who will never meet him, and for his children and family, there is only loss.

Uldis Roze



Biology Department Faculty and Staff, Spring 2002

Front row, l-r: Roberta Koepfer, Eileen Peers, Jesse Lawrence, Xenia Freilich, Rosalie Isla, Corinne Michels, Cathy Savage-Dunn, Jeanne Szalay, Jared Rifkin, Tim Short. Back row, l-r: Peter Chabora, Jon Sperling, PoKay Ma, Karl Fath, Robert Calhoon, David Alsop, Uldis Roze, Janet Arce. Missing: Paul Mundinger, Zahra Zakeri

Photo: *Silhouette* Yearbook

Max K. Hecht, 1925-2002

Professor Emeritus of Biology Max K. Hecht passed away on Sunday, March 17. Max had suffered a stroke 11 months previously and was in a convalescent home for the last months of his life. During this time, he took great pleasure in having his family read aloud to him the paleontological articles from venues like *Science* and the *New York Times*.

Photo: Richard Lee



Max K. Hecht was born in Brooklyn on February 15, 1925 and developed his love for natural history from Saturday courses at the Brooklyn Children's Museum. He graduated from Cornell University at age 19, having published his first research paper a year earlier. The year was 1944, and Max was immediately drafted into the U.S. Army. There he served as an infantryman and saw heavy combat, including the Battle of the Bulge and the crossing of the Rhine. As soon as the shooting stopped, Max managed to make his way to Paris and later to Frankfurt, where he met researchers at the Natural History museums and planted the seeds for future research collaborations. After his service, he returned to Cornell to finish his graduate education, earning a Ph.D. in 1953.

That same year he joined the Biology Department of Queens College. Here Max taught Embryology, Anatomy, Comparative Anatomy, and Ecology of the Vertebrates. In the latter course, taught both in the wetlands and nature preserves of NYC as well as in the Catskills, Max would dazzle his students by pointing to a rock or piece of detritus and predicting the specific animal that would be found below. The rock was lifted, and the correct animal would blink in surprise. Max helped form the Ph.D. program in Biology for the City University of New York and was a mainstay of the City University's efforts in graduate evolutionary biology and systematics. From 1963 till 1981, he served as department chair, being re-elected six times. He also served in higher administrative capacities in the Science Division at Queens, but always remained an active scholar.

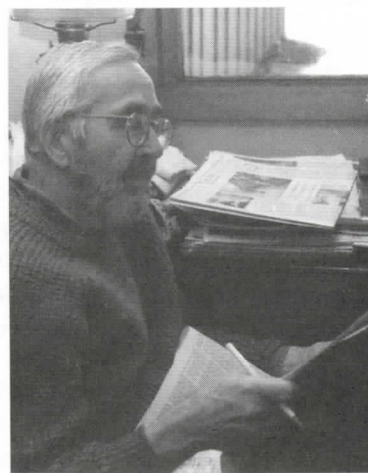
Max started his career working in the American Museum of Natural History, where he met his future wife Bessie, a Science Assistant in the Department of Herpetology. Bessie became a lifelong coworker, and contributed materially in many projects. Max was a noted researcher

on comparative morphology and evolution of the vertebrates, with special interest in fossil and living amphibians and reptiles. He was the author of over 100 refereed publications and numerous other articles and chapters. He made important contributions to the study of the systematics of reptiles and amphibians, the study of natural selection in the wild, and the study of the origins of major groups, such as birds and salamanders. His career was notable for a combination of excellence in paleontology and the natural history of living organisms. Max was a consummate field biologist who collected and did research throughout the world, including North America, Africa, Australia, and South America. His South American colleagues did him the great honor of naming a fossil crocodile after him: *Stratiotosuchus maxhechtii*, new genus and new species.

Some of Max's professional milestones include the chairing of two NATO conferences in evolutionary biology, and serving on the editorial boards of two scientific journals. He will also be remembered as the founder (with Theodosius Dobzhansky and William C. Steere) and long-time co-editor of the important annual, *Evolutionary Biology*. In its 35-year history, the publication has trained a bright light on the changing evolutionary scene. Max served as thesis advisor for 12 Ph.D. candidates, and his friendship and advice reached beyond CUNY to encourage the early careers of many evolutionary biologists prominent today. An accomplished and well-respected scholar, a spirited participant in seminars and symposia, a dear friend and advisor, he will be sorely missed. He leaves behind his wife Bessie, children Matthew, Susan, and Jason, and five grandchildren.

*Jeff Levinton, Department of Ecology and Evolution,
SUNY-Stony Brook.*

Toge S. K. Johansson, 1919-2001



Toge Sigvard Kjell Johansson, Professor Emeritus of Biology at Queens College, died Oct. 5, 2001. Toge was born in Karlstad, Sweden. In 1923 his parents immigrated to the U.S., where Toge spent his fourth birthday on Ellis Island. The family settled in a Swedish neighborhood in Rockford, IL, where

his father worked in a drop forge plant and Toge started school, knowing no English. Years afterward, he felt a special affinity for students struggling with English as a second language. As a latch-key kid, he found refuge in the public library.

Toge received a scholarship to Beloit College, working as a technician in the biology labs and commuting by bus to Rockford. He went on to graduate studies at the University of Wisconsin, earning a Ph.D. in Zoology in 1947. For the next five years he held adjunct teaching positions at Grinnell College, the University of Wisconsin, Dartmouth College, and Washington Square College (NYU). He joined Queens College as an instructor in 1952, rising to professor in 1974 and retiring in 1984. He served as Chair of the department from 1960 to 1963.

Toge's scientific passion was the honeybee. With his wife Mildred, he purchased an abandoned farm in East Berne, in the beautiful Helderberg Mountains of New York. Over the years, they bought adjacent wilderness, and the property now measures 160 acres. Here they established a bee colony in 1951, built an apiary, and carried on research on bee behavior, management, and history. At the time of his retirement, Toge and Mildred had written over 60 bee-related articles; more followed after retirement. One article, based on 1961 research at Cornell University with R. A. Morse and N. E. Gary, was published in *Nature*. Toge served on the Council of the International Commission of Bee Botany, and was associate editor of *Bee World*, published by the International Bee Research Association (IBRA). The IBRA published a collection of Mildred and Toge's articles in book form in 1978.

Toge willed his body to the Albany Medical College, asking that no memorial service be held. He is survived by his wife Mildred, who would welcome letters from former students and friends. She may be reached at 72 Smokey Hollow Road W., East Berne, NY 12059.

Leslie Marcus, 1930-2002



Leslie Marcus, Professor Emeritus of Biology, died in his sleep on Feb. 22, 2002. He had been ill with cancer and the complications of a fall, which forced his retirement in June 2001. For the past year, he had been confined to a wheelchair.

Leslie came to Queens College in 1967, with a Ph.D. in Paleontology and an M.A. in statistics

from the University of California – Berkeley. It was at Berkeley that the interwoven threads of Leslie's scientific career had their origins. Here he worked at the famous La Brea tar pits, which hold a rich assemblage of skeletons of Pleistocene mammals, including saber-toothed tigers, dire wolves, ground sloths, mammoths, and other extinct forms. Leslie was interested in the biology of these animals, in the circumstances of their burial and recovery (paleontology), and in computer techniques to measure, record, and assess statistical significance. His first scientific paper was a census of the large mammal fossils from Rancho La Brea.

After arriving at Queens, Leslie's interests broadened to include topics as diverse as extinct mammals of Australia, radiocarbon fossil dating, computer simulation of offshore mining, analysis of mammalian home ranges, and morphological evolution in rodents. He developed multivariate statistical techniques for problems in geology and biology, and was one of the world's leading developers and proselytizers for geometrical morphometrics, the statistical analysis of biological shape using 3-dimensional coordinates. In all of these explorations, he distinguished himself in understanding both halves of the equation: the biological problem and the mathematical solution.

During sabbatical leaves, Leslie held visiting professorships at such universities as Uppsala (Sweden), Cambridge (UK), and La Sapienza (Rome). His scholarly publications fill four magazine files at the Biology Department. They include four books (including a major treatise on morphometrics published in 1996), and over 80 articles, with more in the process of completion. Five of these appeared in *Science* or *Nature*, the preeminent science publications.

At Queens College Leslie taught graduate and undergraduate courses in biometrics, and for many years organized the departmental seminar series. These brought a pageant of creativity and scientific influence to the department. The noontime seminars were followed by lunch at various Chinese restaurants in Flushing, where Leslie explored the menu as fearlessly as he explored ideas in biology, and where good conversation flavored the occasion.

Leslie was an outgoing and approachable mentor, and served on the Ph.D. committees of more than 20 CUNY graduate students. By example and illumination, he opened wide for them the windows to scientific vistas. Leslie is survived by his wife, Terry Wojtowicz Marcus, and a daughter from a previous marriage, Susie Marcus Smith. Leslie has asked that his ashes be scattered over La Brea, where his adventure in biology began more than 40 years ago.

Patricio Bruno '96 received his D.O. degree in 2001 from the NY College of Osteopathic Medicine. He has been married for three years, and is now a resident in NYC, at St. Clare's Hospital and St. Vincent's Hospital. He thanks the QC faculty, especially Dr. Jeanne Szalay, for setting a strong academic foundation and being an example of superior scholarship. His email: patricbruno@cs.com

Fred Gould '71 is a professor in the Dept. of Entomology, North Carolina State University. He was senior author on a paper identifying a gene associated with Bt resistance in *Heliothis virescens*, published in the August 3, 2001 issue of *Science*.

Jerome S. Haller '53 spent three years in the US Navy before starting medical studies at the University of Berne, Switzerland, where he earned a M.D. in 1961. He is currently a Professor of Neurology specializing in Pediatric Neurology, at the Albany Medical Center in Albany, NY. Email: hallerj@mail.amc.edu.

Kevin G. Helfenbein '97 is a graduate student in biology at the University of Michigan. He has just published his first scientific paper, on the complete mitochondrial genome of the brachiopod *Terebratalia transversa*. It appeared in 2001 in *Molecular Biology and Evolution*.

Marilyn J. Jordan '66 returned to her alma mater in fall 2001 to give a Biology Department seminar on invasive weeds. After graduating from QC, she got a Ph.D. in plant ecology at Rutgers in 1971 (with Murray Buell). She held post-doctoral positions at Rutgers and at Cornell, then served as visiting scientist at the Woods Hole Marine Biological Lab. She is currently Stewardship ecologist with the Nature Conservancy at its Cold Spring Harbor office. Email: mjordan@tnc.org.

Roy L. Kisliuk '50 got his Ph.D. from Western Reserve University in 1956 and is now Professor Emeritus of Biochemistry at Tufts University School of Medicine. He writes he took embryology at QC with A.F. Huettner, general biology with Arthur Colwin, genetics with Donald Lancefield, and botany with Seymour Fogel, with whom he participated in a corn genetics project in the field behind the school. Other faculty he found inspiring were Laura Colwin and Helen Simpson Vishniac. While holding his position at Tufts, Dr. Kisliuk served as Program Director for Biochemistry at the National Science Foundation from 1972-73. His email: roy.kisliuk@tufts.edu.

Igor Kravets '97 received his M.D. from the Upstate

Medical Center at SUNY. He is starting an Internal Medicine residency at Thomas Jefferson University Hospital in Philadelphia. He writes that he has fond memories of Queens College. Email: kravetsi@yahoo.com.

Joseph D. Levin '41 was a member of the first graduating class at QC and remembers Seymour Huettner. He spent the war years (Jan. '42 – Dec. '45) as a lab technician in the Engineering Combat Battalion. Till his retirement in 1982, he worked for 35 years for Bristol-Myers Squibb as a Laboratory Supervisor in Microbiology, and published a number of articles in the discipline. He lives in Highland Park, NJ with his wife Carol, and has two children. Phone: 732-247-3475.

John C. Morris '78 got an M.D. from Upstate Medical Center at SUNY. He is Co-Director of the Clinical Trials Group, Metabolism Branch, NCI. He lives in Bethesda with his wife Lauren and children Caroline (11) and Brian (8). Email: morris@mail.nih.gov.

Carole Oddoux '75 stayed on at QC and got a Ph.D. in 1981 under Sheldon Aaronson. She is an Assistant Professor in the Pediatrics Department of the NYU School of Medicine, where she is the Assistant Director of the Molecular Genetics Clinical Diagnostic Laboratory. She returned to the Biology Department in fall 2001 to give a seminar titled "Familial dysautonomia: a human genome project success story?" Her email: oddouc01@popmail.med.nyu.ed.

Ronald Pross '70 got a DMD from the University of Pennsylvania in 1974 and lives in Tampa, FL. His email: rpross406@aol.com

Joseph S. Sachs '88 got his DDS from the University of Buffalo in 1994. His email: drsachs@nyc.vv.com

John F. Schmidt '72 attended the University of Alabama in Birmingham School of Medicine in 1979, and is now a board-certified surgeon with offices in Guilford, CT and NYC. His practice of plastic and cosmetic surgery is described on his website at www.mybrava.com.

Beatrice Yin '84 got an M.A. in 1998 and is currently working at Memorial – Sloan Kettering Cancer Center. She wants to share her latest accomplishment: with K. Lloyd, she cloned the CA125 ovarian cancer gene; the results are published in the *Journal of Biological Chemistry*. Her email: yinb@mskcc.org

Heidi Zapata '00 is now in the M.D.-Ph.D. program at the Upstate Medical Center at SUNY and is studying hard for her exams.

FACULTY NOTES

Peter Chabora has resurrected the long-dormant undergraduate science publication *Nucleus*. The first issue of the current series appeared in spring 2002.

Harold Magazine resigned from the Department to take a position in private industry.

Corinne Michels successfully underwent the competitive review process for her NIH grant titled "Maltose sensing and signaling mechanisms in *Saccharomyces*." The grant began in July 2001 and will run to June 2005, yielding \$1.2 million over the four-year term of the grant.

Corinne made two presentations at the Yeast Cell Biology meeting held at Cold Spring Harbor in August 2001. She also presented a seminar at Brooklyn College in April, titled "Mechanisms of glucose-induced proteolysis of maltose permease in *Saccharomyces cerevisiae*."

Luc Montagnier, former Distinguished Professor of Biology and head of the Salick Center for Molecular and Cellular Biology, will join Robert Gallo's Institute of Human Virology at the University of Baltimore, MD.

Paul Munding had five figures from a 1982 article with Sylvia Hope reprinted in a textbook of Biogeography by Glen MacDonald (John Wiley & Sons Publishers, 2002). The original article, documenting the expansion of the eastern winter range of the house finch, had been pub-

lished in *American Birds* 36(4):347-353.

Paul was also cited by *Science* magazine (27 July 2001) for authoring a classic review of cultural evolution. The original paper appeared in 1980 in *Ethology and Sociobiology* 1:183-223.

Uldis Roze served as consultant for *National Geographic* on a porcupine-related feature (Nov. 2001 issue)

Cathy Savage presented seminars on "TGF-beta signaling in *C. elegans*" at St. John's University in March 2001 and at the Chemistry/Biochemistry Department at Queens College in Sept. 2001. She also acted as the co-organizer of the New York Area Worm Meetings in Feb. 2001 and in Oct. 2001.

Zahra Zakeri, a leading researcher in the field of apoptosis, was one of 70 scientists from across the world invited to take part in the Nobel Lecture series on apoptosis. She traveled to the Karolinska Institute in Stockholm in October 2001. She was also invited to the 5th Multinational Congress on Electron Microscopy in Lecce, Italy; to the 9th Euroconference on Apoptosis in Vienna, Austria, and to the Gordon Conference on Cell Death in Cambridge, UK. She gave invited seminars at the University of Tehran and the Institute Pasteur in Tehran in July. In addition, she was chair of the NIH Molecular Genetics Review Committee, and a panel member on the NIH MBRS Minority Programs Review Committee, as well as a site visitor for NIH at the University of Texas at El Paso.

BIOLOGY ALUMNI FUND

Between January 2001 and December 2001, 76 alumni contributed \$8,102.50 to their home department. At a time of fiscal stringency, these gifts fill an important niche in the Department. They are used for departmental enhancement, to support faculty and student research and student travel to scientific conferences, and for course development. We are deeply grateful for this support.

LIST OF DONORS

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THE RETIREES

Arthur and Laura Colwin spent summer 2001 at their favorite summering place: the Marine Biological Laboratories at Woods Hole. They hope to return in 2002.

Robert Francis, Chief College Lab Technician in the Biology Department, retired in spring 2001 after 32 years of service. He came to QC with a B.S. from Cornell, and worked tirelessly to insure the smooth functioning of the laboratories and successful navigation of the bureaucratic funding stream. With his wife Pauline, he is now living in Jamaica, Queens.

Andrew Greller is teaching a graduate seminar in spring 2002 on global warming and vegetational change. He also co-authored a 2001 paper in *Journal of the Torrey Botanical Club*, and another paper the previous year.

Max Hecht suffered a serious stroke in spring 2001 and died in March 2002. An article about him appears elsewhere in this issue.

Toge S. K. Johansson died in October 2001. An article about him appears elsewhere in this issue.

Leslie Marcus retired in June 2001 for medical reasons and died Feb. 22, 2002. An article appears elsewhere in this issue.

Marvin Wasserman was a member of the faculty in a *Drosophila* genetics workshop held in Arizona in fall 2001. Marvin continues working in his lab on the third floor of Colwin Hall.

BIOLOGY GRADUATES

Biology 2001 B.A. graduates

Behaj, Valbona, *Phi Beta Kappa*; Honors in Biology; applied to medical school
Bisram, Ravindra
Clarke, Carolyn, High honors in Biology; Lancefield Prize
Creque, Jacklyn, Honors in Biology; Colwin Prize; Donald E. Kirkpatrick Award; Queens College Scholar; Mellon Minority Undergraduate Scholarship; attending Cornell U. Graduate School in Genetics and Development
Davis, Caroline, Honors in Biology
Deutscher, Yosef
Duclos, Antoine
Fontana, Melanie
Goukos, Dimitrios, QC Graduate program in Biology
Groverman, Rachel, Honors in Biology; Knag Scholarship of the QC Retirees Assoc.; enrolled in Florida Veterinary School
Hasan, Nargis
Hiltzik, Yuval, *Phi Beta Kappa*; High honors in Biology, Darwin Prize; Martin Dahlmann Memorial Alumni Scholarship; attending New York College for

Osteopathic Medicine
Hunte, Frederick, Honors in Biology; accepted at SUNY-Buffalo and SUNY-Stony Brook Medical Schools
Isakh, Shanaz
Jaigobind, Natasha
Kane, Saul, *Phi Beta Kappa*; High honors in biology; Feigelson Award; Charles S. Colden Award; accepted at SUNY-Buffalo and SUNY-Brooklyn Medical Schools
Karim, Imran
Kaur, Dilpreet, Honors in Biology
Lam, Carol
Marrero, Daniel, attending Ross University Medical School, Dominica
Matthew, Marka
Milcevic, Martina, *Phi Beta Kappa*; Honors in Biology; Lindberg Scholarship of the QC Retirees Assoc.; attending SUNY-Brooklyn Medical School
Munaco, Julie
Najid, Khadija, Honors in Biology
Narine, Rudradhar
Naughten, Kevin
Nguyen, Henry
Papellas, Julianna, QC Graduate program in Biology

Parveen, Uzma, applied to osteopathic and chiropractic schools
Quinones, Gina, Honors in Biology
Ramirez, Monica; QC Graduate program in Biology; applied to dental school
Reid, Takisha
Rosenbaum, Daniel
Silva, Katherine, Honors in Biology
Snaggs, Abigail
Tingling, Janet
Tomao, Joseph, Honors in Biology; QC Graduate program in Biology
Varghese, Elizabeth
Vaugeois, Mylan, Honors in Biology; Marc Belth Memorial Award; attending New York College of Osteopathic Medicine

Biology 2001 M.A. graduates

Carroll, Thomas
Faiz, Mohammad
Irving, Jennifer
Kolotkin, Lawrence
Lopez, Maynor
Rawana, Ezekiel

2001 BIOLOGY DEPARTMENT PUBLICATIONS

Greller, A. M. 2000. Vegetation in the floristic regions of North and Central America. Pp 39-87 in: David Lentz, ed. *Imperfect balance: landscape transformations in the Pre-columbian Americas*. Columbia Univ. Press, NY.

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