

A Message from the President

ASP members,

I would like to thank those of you who responded to a recent survey regarding ASP membership and AJP subscriptions. As you know if you read that survey, Wiley-Liss, the owner and publisher of AJP, has offered to reduce subscription rates if we tie subscriptions to memberships. The Board of Directors did not want to take action on that offer without input from the membership, and over 50% of you were good enough to take the time to offer such input. The opinions we received from you on the possibility of linkage are a critical part of our ongoing negotiations with Wiley-Liss on this and a number of other important matters involving our journal. Mike Andrews, Chair of the ASP Publication Committee, is doing an excellent job as the lead negotiator in this rather complicated process. Any changes in membership fees and/or AJP subscription costs that derive from the new contract will apply in 2000. When we have reached a mutually acceptable agreement with Wiley-Liss, we will of course provide ASP members with an explanation of the important terms of the contract. Meanwhile, I want you to know that the survey data are being

carefully considered. We of course cannot please everyone, given the diversity of opinions and advice we received, but we can assure you that your voice was heard.

Most of you have also discovered that we have now begun to contact ASP members by e-mail on some important matters, including membership renewal notices, surveys of membership opinion, etc. If you have not provided your e-mail address to Steve Schapiro (ASP Treasurer and membership officer), please do so. We do not intend that e-mail communica-

tion will replace communication by regular mail, at least not at this time, but our e-mail list saves us (and, often, you) time and expense. We also promise that we will use e-mail sparingly in hopes of combating the tyranny of "in boxes" stuffed with more e-mail than any of us can (or wants to) read. When we DO make use of our list, we hope you will take a moment to read the message we have sent.

Most of the work associated with running an organization like ASP is done by the standing committees, especially the chairs of those committees. The ASP committees are particularly busy right now: the Program Committee is reviewing abstracts and developing the program for the August meeting in New Orleans, the Conservation Committee is preparing to read grant and award applications (and Randy Kyes, Chair, has just returned from an important meeting on the commercial bushmeat trade in Africa), the Publication Committee is conducting negotiations with Wiley-Liss regarding the AJP contract, etc. ASP officers and committee members volunteer their time to do essential work on behalf of the membership; I hope you recognize their service to ASP and support the committees' efforts whenever you can. Indeed, I hope that many of you will consider serving on our committees in the future.
- Nancy Caine, ASP President

N. O. Spells
New Orleans!
Pre-registration figures indicate this year's meeting could be one of the biggest ASP conferences ever! If you haven't registered yet, DO IT NOW. For details, see:
www.asp.org

Sneak Preview of This Year's Conference Program

The program for this summer's meeting is coming together well. Our invited speakers are an experienced, exciting, and eclectic group. Our keynote speaker will be **Dr. Jeanne Altmann**, now at Princeton University, who will start things off with insight into her landmark field studies of primate behavior. **Dr. Terry Maple**, the Director of Zoo Atlanta will speak on "Zoos as a Niche for Primatology". One other featured speaker is yet to be confirmed.

Dr. Dick Dukelow has received the ASP's Distinguished Primatologist Award for his outstanding contribution to primatology. He will address the society as well—giving us his talk: "Confessions of a Monkey Gynecologist." Hmmm.

We have some intriguing workshops planned as a part of the conference. Topics will include: "

Technology in the Wild: A Workshop on

the Technological Advances in Field Primatology"; "Bringing Science to the Public: A Workshop in Giving Effective Presentations"; "The African Bushmeat Crisis: New Findings, Theory and Solutions."

In addition, a workshop on "The Care and Management of Captive Chimpanzees: Retirement from Laboratories to Sanctuaries" will be held the day prior to the beginning of the conference.

Roundtable discussions are planned on the following issues: "Encouraging Minority Participation in Primatology: Launching an ASP Initiative"; "Environmental Enrichment in the New Millennium" and "Is There Life after Graduate School?: A Roundtable Discussion on Career Options Beyond Academia."

All this AND individually submitted papers too! Don't miss it. - Mollie Bloomsmith, Program Committee Chair; E-mail: mbloomsmith@mindspring.com.

Research and Development Committee Announces New Minority Initiative

At the annual meeting in New Orleans, the Research and Development Committee will host a roundtable discussion on launching an ASP-wide minority initiative. The purpose of the initiative will be to encourage greater minority participation in primatology. Discussants will outline programs that have proved effective for other organizations, including internships, education programs in schools and zoos, and ethnic diversity funds. ASP members are invited to attend and contribute ideas and insights related to this important effort. - Kathy Rasmussen, Research & Development Committee Chair; Tel.: (301) 496-0444; E-mail: klr@helix.nih.gov

Negotiations Continue with Wiley-Liss

The Publications Committee has been quite busy, but at this time has few final outcomes that we can report. We are actively engaged in renegotiation of the agreement between the American Society of Primatologists and Wiley-Liss, Inc., the owner and publisher of the official organ of our society, the *American Journal of Primatology*. As we are sure you are already aware, our negotiations include the possibility that subscription to the journal will be part of the fees for membership in ASP. We are making an effort to consider the best interests of the society as an organization and of all the individual members of ASP. We definitely want to thank those who have taken the time to provide us with input on institutional subscription rates. We also want to assure those who have taken the time to provide input that their efforts were not wasted, even if there is no significant change in institutional rates evident in the immediate future; there is clearly a problem that must be resolved.

The Committee is also preparing to make recommendations to the Board of Directors for possible successors to Mike Raleigh as editor of the *American Journal of Primatology*.

Others issues at various stages of consideration include electronic publication of the Bulletin and other documents at Web sites that could be restricted to access by members only, as well as reviewing and promoting the society's book series. - *Mike Andrews, Chair, Publications Committee, andrews@sou.edu.*



Call for Distinguished Service Nominees

This is a reminder that nominations for the ASP's Distinguished Service Award are due June 15, 1999. This award is not presented on any regular basis but is presented to deserving individuals who have contributed long-time service to primatology in general and/or to the ASP. The award will be announced at this year's ASP annual meeting. If you would like to nominate an individual for this special award send the person's name and qualifications and a second letter of support of the nomination to: Gerry Ruppenthal, Chair, Awards and Recognition Committee of the ASP; CHDD Box 357920; University of Washington; Seattle, WA, 98195; Fax: (206) 616-9774; E-mail; gerry@u.washington.edu.

Trea\$ury Note\$

You should have received your 1999 ASP, IPS, AJP renewal notice by now. Please renew at your earliest convenience. This is particularly important for AJP subscribers. The sooner you renew, the less disruption you will see in your AJP subscription. All ASP-related fees can now be paid directly at the web page by credit card. Of course, you can still pay by more traditional means (check in the mail, credit card in the mail, etc.). Please let me know if you are having any dues or subscription related problems. Thanks. - *Steve Schapiro, ASP Treasurer, an83000@mdacc.mda.uth.tmc.edu.*

Cyber-Society ▫ New Features Added to ASP Web Page!

As many of you know, membership and subscription renewals have gone on-line. In mid-February, we emailed a username and password to all ASP members for whom we had valid email addresses. These can be used to access the members-only section of the web page, where you can update your personal information and renew your membership. Hopefully, the members-only section will be expanded in the months to come.

To get to this section of the web page, go directly to: <http://www.asp.org/cfdocs/selectloginoptions.cfm>

You can also get there by proceeding to the membership page from the main (www.asp.org) page. Once there, you can click on 'Log in'. After entering your username and password, you will be presented with three options:

- Change Username and/or Password
- Update Personal Contact Information
- New or Re-activated Membership (note: this option will disappear once you have renewed your membership)

If you select 'Update Personal Contact Information', you will be able to change your address, telephone numbers, email address, etc. Note that the database that you are making

changes to is the ASP member database, the one from which the ASP directory is printed. At this screen, you also have the option of checking a box to indicate that you *do not* want to receive email from ASP. As we indicated in our first email to members, your email address will never be given out to anyone, and our email list will be low-volume. We hope that very few of you will check this option; using email is a great way to communicate with members about important events pertaining to primatology in general, and the Society in particular.

If you select 'New or Re-activated Membership' you will be able to renew your membership to ASP, IPS, and to our journal AJP, and to contribute to the Conservation Fund. Follow the onscreen prompts, and it will take you through the renewal process. Currently, we can only accept credit card payments using the online renewal. In order to safeguard your credit card information, we are using a secure server with encryption for those pages that involve passing credit card numbers. During the renewal process, you may see some screens describing the 'certificate' that the server is submitting to your browser, one of which may indicate that your browser does not recognize

the certificate. Click through the screens. Eventually you will be asked to accept this certificate. You should do so. At one point you may get to a screen that offers you the option of accepting the certificate until it expires. You can check this box, and that will prevent you from getting all of the 'certificate' screens every time you access the secure site. Note that there is very little risk in transmitting your credit card information using a secure server! Also note that we do not keep your credit card information in our member database; it is there for a few days at most until the charge is verified. Once your credit card has been charged, the number is automatically deleted, and an email confirmation of your renewal is automatically sent to you.

If you did not get emailed a username and password, it is probably because we have an invalid email address for you in our database. To create a username, go to the web address indicated above and select the 'Create a username'. Follow the subsequent instructions, and a password will be sent back to you once we've verified your identity.

We hope you like the new features of the web page. - *Nancy Capitanio, ASP WebMaster.*

Chimps Caught in a War

(The following was excerpted from several e-mail communications from Rosalind Alp.)

On January 6th, Freetown, Sierra Leone, was again faced with war. The RUF rebels (Revolutionary United Front) attacked the eastern part of the capitol and slaughtered people in their homes and on the streets. Most of the eastern side has now been burned to the ground and residents there have been so afraid that they have risked their lives to flee to the west end of the city. Several thousand people are living in the National Stadium, which has become a refuge for those that can reach it. There is hardly any food or clean water in the city and the hospital is packed with people suffering from amputations.

The Tacugama Chimpanzee Sanctuary lies in the hills just outside of Freetown, near Regent Town. When the rebels came to Freetown, the sanctuary Director, Bala Amarasekaran, refused to leave with the last evacuees. He knew that if he did, the staff would have no support and therefore no choice but to pull out and seek safety - thus leaving the 21 chimpanzees still caged at the sanctuary.

The rebels are now scattered around the hills near the chimps and have been trying to force their way back in to Freetown through the forest. This time though, civilians have armed themselves and most have decided that they will not keep running, but remain in their area and fight off the rebels themselves. The Sanctuary staff will not leave Regent Town, determined to make sure the chimps get food.

Fortunately, all the chimps are still healthy despite being under great stress from all the fighting around them. Needless to say, they are thrilled each time to see the staff, even though for security reasons the staff cannot stay more than a couple of hours. For the chimps as well as the people, it is not the first war they have been forced to experience.

Now that the fighting has moved out of the centre of the city the devastation can be clearly seen and people are now discovering what has



Head of care staff, Willy Tucker, sits with orphan chimpanzee, Steady. (Photo: Rosalind Alp)

happened to relatives and friends who were missing. Willy Tucker, head of the care staff at the sanctuary, had been missing for 2 weeks during the heavy fighting in the east end, but thankfully he managed to find Bala and is now staying with him.

Although the situation is improving, since there are now flights to Freetown, I am very cautious to suggest that the war is anywhere near over. The rebels are still threatening to attack Freetown again and although we hope that will not happen, Freetown is still very tense. The rebels remain on the outskirts of Freetown and you can still hear fighting, so the sanctuary is still not quite as safe as the capitol.

It is now possible to send money through an official exchange bureau in Freetown and I expect soon that banks will re-open.

We still need your support. Bala and the staff in Tacugama have never ignored their commitment to care for the chimps and I make a plea to fellow conservationists and concerned individuals to help us support them. At the moment the only way possible is to make sure we can send out enough funds to buy food, medicines and supplementary vitamins until peace is restored. We would welcome any donations of money, medicines and vitamins. - Rosalind Alp, Director - Foundation Step By Step, Achter de Brinken 14, 9462 RH Gasselte, The Netherlands; Tel: (0031) (0)599-564795; E-mail: Hanson-Alp@Amazed.nl

Primatologist Escapes Ugandan Kidnappers

On Monday, March 1, several Rwandan Hutu rebels entered tourist camps in Uganda's Bwindi Impenetrable Forest and kidnapped 31 people at gunpoint. Fortunately, several were able to escape, but an undetermined number of Ugandans and 8 foreign tourists were murdered. At the time of this writing, a massive manhunt is underway to search for the rebels and bring them to justice.

Most of the kidnap victims were tourists hoping for a glimpse of Bwindi's mountain gorillas. Other victims included people working in the park as government employees or foreign researchers. Sadly, the conservation warden for Bwindi was among those killed.

Among those who escaped was primatology student, Mitch Keiver. As a University of Calgary graduate student, Mitch had just finished a study of chimpanzees and mountain gorillas with the BIGAPE program. He has recently taken a job with the International Gorilla Conservation Programme (IGCP).

We're glad you're safe, Mitch!

Field Census Data Wanted

I am looking for field census data to test a model for projecting relative contributions of developmental stages to population growth in free-ranging primate populations. In addition to what is in the literature, I need serial counts — two or more counts of the same group at different times (preferably separated by 2 years or more). Any system of age or developmental stage classification is acceptable. If you are willing to share these data, please contact Andrew Petto, Division of Liberal Arts, University of the Arts, 320 S Broad St, Philadelphia PA 19102-4994; 215/875-1104; FAX: 215/546-2027; editor@natcensci.org.

Zoo Biology - Call for Manuscripts

Zoo Biology, the Journal of Zoo and Aquarium Research, is calling for manuscripts for a special issue focussing on non-human primate nutrition. This issue will be a collection of scientific papers relating to primate nutrition, feeding and dietary husbandry. Articles with information on nutrient requirements, deficiencies, toxicity, nutritional status, biological response criteria, as well as field data as they relate to captive husbandry, are encouraged. Please prepare all manuscripts in the appropriate Zoo Biology format, guidelines are available in the journal. Send manuscripts to Dr. Dan Wharton, Editor, Zoo Biology, Central Park Wildlife Center, 830 Fifth Avenue, New York, NY 10021-7095. Submission deadline: 30 April 1999.

Thanks Nancy!!

During our last meeting in Georgetown Texas, the Board of Directors approved a motion from the Publications Committee to locate the Society's web page on its own server in the Department of Psychology at the University of California, Davis. In addition, a web page manager was to be hired (on an hourly basis) for the next two years to oversee development and expansion of the ASP site. This expansion includes membership renewals, conference registrations, and submission of abstracts. The person who is filling this position is Nancy Capitanio, a programmer at the University of California, Davis. Nancy has a B.S. in Computer Science from UC Davis, and is an experienced webmaster and Cold Fusion programmer. She can be reached at ncapitanio@ucdavis.edu.

Student Research and Education Opportunities

Summer 1999

The Education Committee of the American Society of Primatologists is pleased to announce the following summer research internships and educational opportunities for students. There is a variety of experiences, ranging from field research to biomedical laboratory opportunities. Be advised that ASP cannot offer endorsement of any of the opportunities listed below because we do not know the specific details of each research setting. We encourage students to investigate carefully the research/internship opportunities before applying, to ensure they meet with your goals and expectations. (Editor's note: Read carefully; some internships offer a salary, some are voluntary, and others require the intern to pay for the experience.)

Internships

Behavioral Research Internship Primate Foundation of Arizona

The Behavioral Research Internship is on a volunteer basis, provides no stipend, and is designed to give students the opportunity for research experience. It includes three basic components: (1) an introduction to chimpanzee behavior and behavioral observation data collection, (2) chimpanzee wellness program and environmental enrichment training, (3) and includes research support tasks. The introduction to chimpanzee behavioral observation is the primary component of the internship and includes data collection on an assigned project, entering the data into a spreadsheet program, conducting preliminary analysis and completion of a background literature review. Results are presented at the end of the summer to the full staff to provide presentation experience.

The internship program is open to undergraduate and graduate students in the behavioral sciences. Undergraduate students should have completed two years of college including an upper division primate behavior course. Graduate students should have completed a graduate level primate behavior course and at least an upper level statistics course. Undergraduate and graduate students should have basic computer skills.

The internship begins on June 1, 1999 and ends August 1, 1999. **Although there is no stipend for interns, low or no cost housing may be available.** The deadline for applications is April 15, 1999.

Contact: Sue Howell, Research Director, Primate Foundation of Arizona, P. O. Box 20057, Mesa, Arizona 85277-0027; Tel.: Relay: 1-800-842-4681, then phone 602-832-3780; Fax: 602-830-7039; Email: suehpfa@uswest.net

Three Internships* Disney's Animal Kingdom, Orlando Florida Animal Behavior Internship

Systematic behavioral observations of the animals in Disney's Animal Kingdom will be used to add to our understanding of zoo animals and to facilitate their optimal care and well-being. Interns will be trained in research methodology used in studying animal behavior in a zoo setting. Interns may assist in all aspects of behavioral research including data collection, data entry and analysis, library research, statistical analyses, and report-writing analyses associated with on-going projects. Working Environment: hands-on, interactive and fast paced; minimal supervision; interactions with variety of people; self-starter environment encouraging innovation, efficiency and attention to detail.

Main Functions of Department: The Animal Behavior Internship is part of the Conservation and Science division of Animal Programs and is based at Disney's Animal Kingdom. The main function of the division of Conservation and Science is to promote conservation through research, both captive and wild, education, and awareness building. The Animal Behavior Intern will work with the Research Scientists with on-going behavioral research projects to add to our understanding of zoo animals and to facilitate their care and well being. Projects may include the following areas: reproductive behavior, habitat use and activity cycles, inter- and intra-specific interactions, effects of husbandry training and enrichment on behavior, and animal introductions. Data may be collected through direct observations of the animals or by viewing video tapes.

Two internships are offered in this area every six months. The next internship begins June 1999 and lasts for six months. Junior or senior in college with biology, psychology, zoology, or natural science major. Excellent written and oral communication skills required; computer skills (minimum of word-processing, spreadsheet) required. Research experience desirable. Major: Biology, psychology, zoology, anthropology or natural science. Applicants should supply three letters of recommendation from previous industry employers and/or faculty.

Conservation Biology Internship

Responsibilities include assisting with the development and operation of research program for the Wildlife Tracking Center at Disney's Animal Kingdom including participating in the on-going telemetry studies, characterization of reproductive cycles of exotic animals, elephant communication as well as interacting with Guests in Wildlife Tracking Center at Animal Kingdom's Conservation Station. Working Environment: Hands-on, interactive and fast-paced; minimal supervision; interactions with variety of people; self-starter environment encouraging innovation, efficiency and attention to detail.

Main Functions of Department: The Conservation Biology Internship is part of the Conservation and Science division of Animal Programs and is based at Disney's Animal Kingdom. The main function of the division of Conservation and Science is to promote conservation through research both captive and wild, education, and awareness building. The Conservation Biology Intern will work with the Conservation Biologist to develop and promote our research projects, which will be shared with guests. Projects include working closely with Conservation Biologist in collecting data for tracking studies of collection animals and wild animals; assisting with operation of Wildlife Tracking Center at Conservation Station; interpreting for guest data collected for all field projects; conducting literature searches and other resource collection for program development.

One internship is offered in this area every six months. The next internship begins June 1999 and lasts for six months. Junior, senior or recent graduate with Biology, Ecology, Psychology or Wildlife Biology major; excellent written and oral communication skills required; computer skills (minimum of word processing, spreadsheet) required; ability to speak in front of groups; research experience desirable. Major: Biology, Ecology, Psychology or Wildlife Biology.

Conservation Education Internship

Responsibilities include assisting with the development and presentation of unique interpretive guest experiences that promote wildlife conservation, appreciation and awareness at Disney's Animal King-

dom. Working Environment: hands-on, interactive and fast-paced; minimal supervision; interactions with variety of people; self-starter environment encouraging innovation, efficiency and attention to detail. Main Functions of Department: The Conservation Education Internship is part of the Conservation and Science division of Animal Programs and is based at Disney's Animal Kingdom. The main function of the division of Conservation and Science is to promote conservation through research (both captive and wild), education, and awareness building. The Conservation Education Intern will work with the Curators of Education to develop, promote and present interpretive experiences for Guests that enhance better understanding of wildlife conservation. Projects Will Include: Working closely with Curators of Education in developing on stage inspirational and interpretive experiences; interpreting and presenting to large groups of Guests; researching and compiling information to assist in education programming; assisting with specified projects as assigned. For additional information on Disney's internships please see the website: <http://www.careermosaic.com/cm/wdw/wdw1.html>

Sophomore, junior or senior in college with life or environmental sciences, education or related field major; excellent written and oral communication skills required; computer skills (minimum of word processing) required; ability to speak in front of groups; program or curriculum development experience as well as experience at a nature center/museum/zoo/aquarium desirable. Major: Life or Environmental Sciences, Education or related field. Three professional letters of recommendation (previous industry employers and/or faculty preferred). Two internships are offered in this area every six months. The next internship begins June 1999 and lasts for 6 months.

Contact Information for all three opportunities: Walt Disney World Co., College Program, P.O. Box 10,090, Lake Buena Vista, FL 32830-0090; Tel.: 1-800-722-2930.

*N.B. Internships at Disney do not necessarily entail working with nonhuman primates.

Research Assistant/Observational Studies Los Angeles Zoo Association/Los Angeles Zoo

Assist in observational research at the Los Angeles Zoo. Studies currently underway include: 1) assessing the effects of various forms of enrichment on the behavior of a group of chimpanzees, 2) exploring the nature of interactions between zoo visitors and chimpanzees, 3) evaluating the effects of transferring a group of orangutans into the newly designed "Red Apes of the Rain Forest" habitat which provides substantially greater opportunities for brachiation and arboreal feeding, and 4) documenting changes in behavior shown by a group of drills with changes in group membership. Research intern duties include collecting quantitative data, entering the data into a Tandy 102 portable computer, transferring the data to a PC, carefully checking the transferred data for accuracy, and making descriptive entries into observer log books. The research intern will also participate in bi-weekly research staff meetings where research design and research protocol is discussed, and the intern may become involved in a variety of short-term projects.

Must be an upper division college student or recent graduate with interests in primatology, animal behavior, and/or conservation biology. Previous experience in observational research is desirable but not required if applicant is perceptive, careful, consistent, patient and reliable.

Salary of \$1500 over an 8 week period; the intern should work at least 30 hrs each week. Term of Appointment: 8 weeks; can start anytime in June 1999.

To apply for a research internship send a statement describing your background, research interests and future plans. Include a copy of your resume as well as a copy of your transcripts (need not be stamped by

your university) and the names and telephone numbers of three references who may be contacted. Application Deadline: **April 30, 1999.**

Contact Information: Cathleen R. Cox, Ph.D., Los Angeles Zoo, 5333 Zoo Drive, Los Angeles, CA 90027 USA; Tel.: (323) 644-4204; Fax: (323) 662-9786; E-mail: coxrain@loop.com

Behavioral & Veterinary Internships LABS of Virginia

Behavioral Internship entails the daily observation of social groups of rhesus, pigtail and cynomolgous macaques. Behavioral monitoring will include the return of animals that have been out of social groups, and merging of social groups. Interns will also be involved in record keeping, of animals moved, births, and deaths. Veterinary Internship entails daily medical observation of social groups of rhesus, pigtail and cynomolgous macaques.

Internships commence at the end of May 1999 and last through the end of August 1999. **Interns are paid \$7.00 per hour** for a 40 hour work week. There is a possibility for housing, or interns may locate their own housing.

Contact Information: Dr. M. Kay Izard, P.O. Box 557, Yemassee, SC 29945; Tel.: (843) 589-5490; Fax: (843) 589-5037; E-mail: mkizard@aol.com

Apprentice Program, Chimpanzee & Human Communication Institute - Central Washington University

The CHCI Summer Apprentice Program is a 10 week program where participants gain experience in research and care of 5 chimpanzees who use the signs of American Sign Language. Apprentices are at the institute daily cleaning enclosures, preparing meals and enrichment, making daily observations of the chimpanzees, and participating in a research project. The first week is intensive training in laboratory jobs and chimpanzee behaviors. The philosophy of CHCI is that the needs of the chimpanzees come first. Apprentices will be trained in humane care and research techniques.

The program runs from June 20 to August 28, 1999, applications must be received by March 19, 1999. **The program tuition is \$1500.00**, however limited assistantships are available. A course in American Sign Language prior to arrival is highly recommended.

Contact: Mary Lee Jensvold, Ph.D., Apprentice Coordinator, Chimpanzee & Human, Communication Institute, Central Washington University, Ellensburg, WA 98926; Tel.: (509) 963-2215; Fax: (509) 963-2234; E-mail: jensvold@cwu.edu; <http://www.cwu.edu/~cwuchci>

Summer Internship Program in Biomedical Research, National Institute of Child & Human Development (NICHD), Bethesda, MD

A variety of summer internships is available at NICHD. To obtain an overview of opportunities, check the website: <http://www.training.nih.gov/student/sip/catalog/nichd.html>. Students interested in the Laboratory of Comparative Ethology under the direction of Dr. Stephen Suomi, focusing on genetic and environmental influences and interactions on biobehavioral development in rhesus monkeys and other nonhuman primates, should specify so in application.

The pay range is from \$990 to \$2,200 per month, depending on years of education. Only U.S. citizens or permanent residents can be awarded summer positions. The IRTA Fellowship is an 8 to 10 week program (possibly longer), within the timeframe of May 1 to September 30. These positions are available to high school students (at least 16 years of age), college students, graduate students, and medical students.

Individuals applying for the internships should include a resume with residential/school addresses, e-mail addresses, and telephone num-

bers. An official transcript, including GPA, a note from the registrar's office verifying the student is in good academic standing and that enrollment is not less than half-time are required. In addition, applications should include a student statement that describes the student's future academic plans and interest(s) in biomedical science and reasons for seeking an internship at the NICHD. Two letters of reference from school officials (e.g., teachers, guidance counselors, principals, professors or advisors) that speak to student's scientific interests and abilities. Finally, indicate when you would like to work within the above mentioned time frame.

Send application information to: Dr. Gordon Guroff, Deputy Scientific Director, NICHD, Building 49, Room 5A64, 49 Convent Drive, MSC 4490, Bethesda, Maryland 20892-4490; or apply online at <http://www.training.nih.gov>. Positions filled competitively on a rolling basis, usually by May 1. Contact: Ellie Hochman, Program Coordinator, NICHD, Building 49, Room 5A64, 49 Convent Drive, Bethesda, MD 20892-4490; Tel.: (301) 402-2640; Fax: (301) 402-2079; HochmanE@exchange.nih.gov

Field Schools

Panama's Primate Behavior and Ecology Program Florida State University- Panama, June 14 - July 12

Florida State University - Panama is offering a 4 week 7 semester hour Primate Behavior and Ecology Program this summer from June 14 to July 12, 1998. As a part of the training, students will conduct directed research projects on the endangered Panamanian tamarin (*Saguinus geoffroyi*) and live at the International Primate Sanctuary of Panama. The primate sanctuary is located on the Atlantic side of Panama in the Tiger Islands. These islands are the tops of mountains that were flooded by the creation of the Panama Canal. D.R. Rasmussen, Ph.D., Director of the International Primate Sanctuary, and a member of the permanent faculty of the FSU-Panama branch will be conducting the program and teaching the courses.

The Primate Behavior and Ecology Program's courses will provide the theories and facts essential for design and conduct of studies conducted on non-human primate social ecology. The course in primate behavior will place the behavior observed by the students in the broader comparative perspective of other species in the order primates. Lectures emphasizing approaches to the Study of Behavior, along with the laboratory, will provide a sophisticated view of different types of research studies: case studies, correlational and differential research, and experimental studies. This course and its lab will provide an important background in scientific method and logic as well as an introduction to statistical analyses of complex databases.

The Primate Behavior and Ecology Program will provide the tools for understanding behavioral and ecological processes and problems, while immersing students in a field research site focused on primate social ecology and conservation. The primate sanctuary provides a setting where long term field studies of behavior are conducted. There will therefore be a more direct transfer of information gained from texts to an environment similar to the research environments where the information cited in those texts was actually collected.

The program will provide an exceptional opportunity for students planning graduate studies in Anthropology, Psychology, and Ecology. In addition, the program will offer students from diverse backgrounds an unusual experience to live and work in the neotropical jungle and become acquainted with important conservation issues that humanity will face as we move into next century. Program courses include:

Primate Behavior 3 Semester Credits: This course introduces the substantial scholarly literature on the behavior and ecology of free-

ranging prosimians, monkeys and apes. Applications of recent findings to human behavior and evolution will be emphasized. Prerequisite: (Introduction to Physical Anthropology) or permission of the instructor.

Approaches to the Study of Behavior 3 Semester Credits: Introduction to philosophical and methodological issues in the empirical study of behavior. Prerequisites: (General Psychology, Introduction to Applied Statistics) or the equivalent.

Approaches to the Study of Behavior Laboratory 1 Semester Credit: Introduction to the basic logic of experimentation in psychology by running field experiments and collecting behavioral data, analyzing the data, and interpreting the results. Techniques and concepts in data analysis and interpretation will be stressed. The methods learned will be applied to the analysis of data used for the write up of the students' directed research projects. Prerequisite: (Introduction to Applied Statistics) or equivalent.

To be economically practical and logistically acceptable, the minimum program enrollment will be 12 students and the maximum will be 20 students. One or two teaching/research assistants will be employed to help teams to work effectively in the collection of data and to help in grading papers and exams. Dr. Rasmussen will help collect data and monitor data collection. **The cost of the program is \$2500.** This price includes tuition, books, medical and accident insurance, food and lodging, travel within Panama and round trip transportation from Miami, Florida. Students attending must provide own transportation to Miami.

For information about admission to the Primate Behavior and Ecology Program, contact Dr. Rasmussen. All students enrolled in this program will be admitted as students to the FSU-Panama branch. Applicants must therefore fill out our standard application form. The program is a part of the curriculum of the FSU-Panama branch and as such, all rules and regulations of FSU will be in full force during the program. Applicants must have 3 letters of recommendation written for them and sent to Dr. Rasmussen. These letters should address the ability of the student to live in a field situation and cooperate with other students as well as the student's academic abilities. Ideally, professors who have worked extensively with the students during field trips as well as in the classroom should write the letters. If your professors have not worked with you in this capacity, please select at least one evaluator who has had experience in working with you in a cooperative environment, such as a scout leader, church leader, or employer.

For more information contact: D. R. Rasmussen, Ph.D. PSC #4, BOX 3351 APO AA 34004; Corazol tel.: 011-507-285-6386; 011-507-285-6388; Corazol fax: 011-507-285-6393; El Dorado tel.: 011-507-279-0547; 011-507-279-0548; 011-507-279-0549; 011-507-279-0550; EL Dorado fax: 011-507-236-7359; E-mail: islatigre@hotmail.com; web site: <http://www.fsu.edu/~cppanama/ips>

Balinese Macaque Project Summer Field School 1999 Central Washington University and Universitas Udayana (Bali, Indonesia), June 15 - July 20

The fields of primate behavior, primate conservation and cultural anthropology converge at a new focal point: human/non-human primate interactions. The growing field of ethnoprimateology is emerging as one of the most exciting new subfields of academic and applied anthropology. The Balinese Macaque Research Project addresses issues related to the interconnection of non-human primate behavior and conservation to human cultural and economic realities. Join Agustin Fuentes and affiliated faculty from CWU and Universitas Udayana on a cross-cultural research experience in primatology, ethnography, and conservation in Bali, Indonesia.

- Field experience: 5 weeks From June 15-July 20, 1999, 8 quarter credits

- Training in theory and method of behavioral observation
- Training in survey/census techniques
- Training and practice in basic interview and video data collection techniques
- Lectures and field supervision by CWU and UNUD Faculty
- Observational data collection of macaque monkeys
- Surveys of macaque groups at various free-ranging and semi-free ranging sites around the island of Bali
- Interview and distribute questionnaires to tourists visiting temples and monkey forest for information on cultural resource use
- Interact with Indonesian students, faculty and local villagers
- Visit major Balinese cultural centers and participate in local and regional cultural events

US \$ 1600 covers program fee, room and two meals daily, weekly tours/surveys and visits to cultural events, research/data collection materials, and transportation to and from airport. Group rate airfares will also be available to field school participants (approx. US\$1150).

For further information contact: Dr. Agustin Fuentes, Director, Primate Behavior and Ecology Program, Dept. of Anthropology, Central Washington University, Ellensburg, WA. 98926-7544; Tel.: (509) 963-3211; Fax: (509) 963-3215; E-mail: afuentes@cwu.edu

Uganda Student Field Course in Conservation Biology and Wildlife Management - Smithsonian Institution/ National Zoological Park, May 24 - June 20

An international course in Conservation Biology and Wildlife Management will be held in Uganda from 24 May to 20 June 1999, under the sponsorship of Makerere University, Kampala and the Smithsonian Institution's Wildlife Conservation and Management Training Program (WCMTMP). The course will be conducted mainly at Makerere University's Biological Field Station (MUBFS), which is located within Kibale National Park in southwest Uganda. The park is a medium altitude moist tropical forest with patches of papyrus swamps and savannas. It is inhabited by a wide range of plants and animals such as elephants and buffaloes, but is best known as the home of a dozen primate species- including chimpanzees. Nearby Queen Elizabeth National Park is representative of the African savanna ecosystem. This park will also be visited during the course, for field exercises and observation of wildlife such as lions, elephants, hippos, giant forest hogs and numerous species of antelopes and birds. The course fee is \$1450 excluding airfare and health insurance. The fee will cover all expenses for tuition, food, accommodation, use of teaching facilities, local travel, course supplies and special events during the course. Applicants must include letters confirming financial support with their applications. The course is most appropriate for those interested in conservation biology, primatology, biodiversity inventory and monitoring techniques and protected areas management. University students and graduates from developed countries and wildlife personnel from developing country government agencies, non-governmental organizations and universities are eligible

to apply. An application form must be completed in full and submitted with all other application materials requested. Those who applied for WCMTMP's courses in previous years should confirm their interest in attending the Uganda course, and update their applications if necessary. **Application Deadline: 19 March 1999.** Only 20 applicants will be selected for the course and preference will be given to those who apply early. Successful applicants will be notified of their selection in early April 1999. Contact: Dr. R. Rudran, Dept. Zoological Research, National Zoological Park, Washington D. C., USA 20008; Tel.: (202) 673-4843; Fax: (202) 673-4686; E-mail: NZPZR008 @ SIVM.SI.edu

Field Course in Primate Behavior and Ecology Bocas del Toro Biological Field Station, Panama

An intensive one-month primate behavior and ecology field school (July 1-17) through the Institute for Tropical Ecology and Conservation, at Estacion Biologica Bocas del Toro in Panama. Course will be taught by Dr. Lisa Gould, Anthropology Dept., University of Victoria, B.C. Canada.

Students will learn fundamental concepts related to the study of primate behavior and ecology, gain experience in primatological data collection techniques, and design and conduct their own individual field project. The course is divided into several components including daily formal and informal lectures, readings and critiques, group exercises and individual research projects. The field school is held at the Bocas del Toro biological field station on the Island of Bocas del Toro, Panama. The station is situated on the Caribbean side of Panama within the Bocas del Toro Archipelago, and is located on the beach between tropical rainforests and coral reefs. Primate species occurring on the island include brown howler monkeys, white faced capuchins and owl monkeys. Further information, photos of the field station and surrounding area, course syllabus, faculty profiles and registration forms can be found at the following website address: <http://home.earthlink.net/~itec/>

The course will be equivalent to an upper-level course in primate behavior/ecology. No particular prerequisite, but a previous course in either introductory biological anthropology, primatology, or primate biology would be useful.

The cost is \$1500, which includes all instruction, room, board, and local transportation (excludes airfare to Panama and health insurance).

Application Deadline: June 1, 1999. The field school website <http://home.earthlink.net/~itec/> includes all information concerning the field school, as well as an on-line registration form. Interested individuals should go to the website for a detailed description (and photos) of the field school, the primatology course syllabus, information about the instructor and logistical information on the Bocas del Toro Biological Field Station. There is a limit of 15 students for the course. Preference given to those who apply early

Contact: Dr. Lisa Gould, Dept. of Anthropology, University of Victoria, Victoria, British Columbia, Canada, V8W-3P5; Tel.: (250) 721-7054; Fax: (250) 721-6215; E-mail: lgould@uvic.ca

Primate Literature Database on the Web

The Primate Information Center's Primate Literature Database (PrimateLit) is now available for searching on the World Wide Web as a pilot project through June 1999. PrimateLit indexes over 140,000 research publications from 1940 to the present.

There is no charge to access the database during the January - June 1999 pilot period. Instead, the PIC staff are soliciting user feed-

back to help guide the development of an outstanding bibliographic search tool for the primatological community. The only requirements for database access are an Internet connection, and willingness to answer a short feedback questionnaire.

Access to PrimateLit is by password only. Please contact the PIC to obtain your free password.

- ⇒ Email: pic@u.washington.edu
- ⇒ Subject Line: Password Request
- ⇒ Message: Include your full name, affiliation and email address

A password and instructions for accessing the database will be sent by return email. -
Jackie Pritchard, Manager, Primate Information Center, Washington Regional Primate Research Center University of Washington, Seattle; Email: plj@u.washington.edu

Conservation Conversation

West African Monkeys in Jeopardy: A Report on the Cercopithecids of Eastern Cote d'Ivoire

W. Scott McGraw, New York Institute of Technology
1996 ASP Grant Recipient



A lesser spot-nosed guenon (*Cercopithecus petaurista*) for sale in eastern Cote d'Ivoire. (Photo: Scott McGraw)

There are few regions of the world where habitat loss, population growth and poaching have had a more deleterious effect on the endemic primate fauna than West Africa. For example, recent surveys in the eastern portion of the Upper Guinea forest block carried out by John Oates, Tom Struhsaker and George Whitesides revealed that three primate taxa were facing extinction in southwestern Ghana: *Colobus badius waldroni* (Miss Waldron's Red Colobus), *Cercocebus atys lunulatus* (the white-naped mangabey), and *Cercopithecus diana roloway* (the roloway monkey). The ranges of these species have historically extended into Cote d'Ivoire, however little substantive information on the monkeys in the western extent of their ranges have been collected since the surveys of Booth in the 1950s. With their future in Ghana uncertain, and the likelihood that even less habitat remained in Cote d'Ivoire, John Oates (*Status Survey and Conservation Action Plan for African Primates, 1996*), recommended that a search for these monkeys be undertaken in eastern Cote d'Ivoire, assigning it the highest conservation priority rating. With the assistance of the American Society of Primatologists, this survey was conducted from March to May 1997.

Four forest blocks were chosen for surveying (see map). Selecting these areas was straightforward since satellite image photographs and local reports revealed only a handful of localities in eastern Cote d'Ivoire with habitat suitable for rainforest fauna. We began in Bossemattie, a heavily logged reserve consisting of maturing secondary growth with very little closed canopy forest. Chimpanzees are present, however the only monkeys found were those able to survive in degraded forest: *Cercopithecus petaurista* (lesser spot-nosed monkey) and *Cercopithecus campbelli* (Campbell's guenon). South of Bossemattie in the Songan Reserve, the habitat situation is even more dire. Official Ivorian maps indicate that Songan consists of a 35,000 hectare block of high canopy forest. Surveys by vehicle, and the very fact that we could make them, revealed a heavily degraded reserve with little remaining mature forest throughout. We found no areas of forest likely to contain high forest monkeys, nor could we find evidence of any secondary forest species although residents claim that guenons are present.

We concentrated our efforts in the least disturbed forest: the Mabi and Yaya Reserves on the west side of the Comoe River. These forests are heavily cultivated near the reserve borders, however areas of undisturbed forest can still be found toward the interior. We believed that the very steep banks and thick vegetation lining both sides of the river may have acted as a deterrent to poachers attempting to gain access to the Mabi and Yaya Reserves from the Songan side. During the Mabi survey, *Cercopithecus petaurista* and *C. campbelli* were the only primates encountered. Despite the dif-

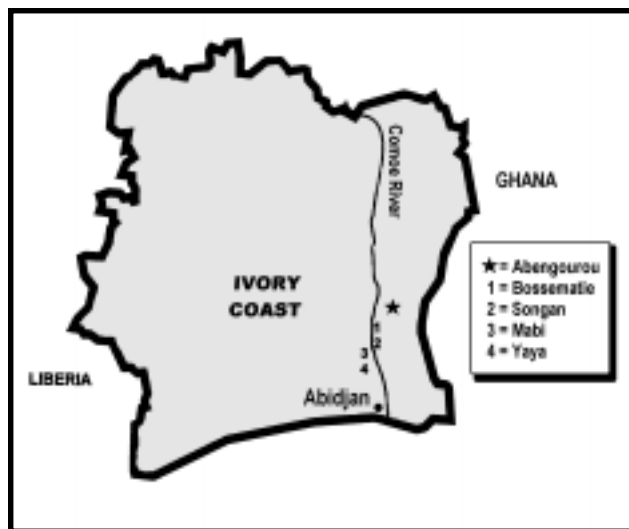
ficulty in reaching this reserve, we found a number of large, well-constructed trails, and ample evidence of poaching. For example, when we surveyed in and around Mabi we collected over two hundred spent shotgun shells as well as discarded flashlights, fishing nets, machetes and cooking pots.

The last area surveyed was the Yaya Reserve, which is contiguous with the larger Mabi reserve to the north. Within Yaya, we confirmed the presence of 5 species including *Cercopithecus diana roloway*, *Colobus vellerosus* (white-thighed black and white colobus) and *Procolobus verus* (olive colobus). Yaya, therefore represents the only areas where the roloway, black and white colobus and olive colobus monkeys were observed by our team under natural conditions.

No mangabeys were observed during the surveys although we were offered a smoked *Cercocebus* carcass. We were also directed to a resident in the village of Bettie who had kept a monkey for ten years after rescuing it from poachers. The man informed us that the monkey had bitten him four days prior to our arrival and that he had eaten it the day before. Photographs shown to use by the owner reveal that the monkey was a white-naped mangabey. The photographs and carcasses therefore constitute the only evidence we encountered that *Cercocebus atys lunulatus* is still present in Cote d'Ivoire.

We conclude that *Cercopithecus campbelli* and *C. petaurista* are the most numerous monkeys and, in all likelihood, the only species in still viable populations in the forest reserves of eastern Cote d'Ivoire. *Procolobus verus* and *Colobus vellerosus* are present at low densities. *Cercopithecus diana roloway* and *Cercocebus atys lunulatus* are also present, but not at numbers sufficient for sustainable populations. It is probable that these subspecies will be extirpated in the near future. We found no evidence of *Colobus badius waldroni*.

Today, the greatest threat to the primates of eastern Cote d'Ivoire is hunting. Local conservation and forest management organizations



Conservation Conversation (cont.)

such as SODEFOR (Société de Développement des Forêts) have curbed deforestation in many areas throughout Cote d'Ivoire, however they do not possess the resources nor the authority necessary to combat the rising amounts of poaching. Not surprisingly, monkeys - both dead and alive - can be purchased easily although it is illegal to hunt any primate anywhere in Cote d'Ivoire.

The status of *foret classée* (forest reserve) does little to protect the remaining forest in eastern Cote d'Ivoire. Our strong recommendation is that working in conjunction with the GTZ (Deutsche Gesellschaft für Technische Zusammenarbeit) and SODEFOR, the classification of the Mabi/Yaya forest complex should be upgraded from *foret classée* to national park. Doing so would allow armed personnel (e.g., Eaux et Forêt, or forest police) to

make regular, systematic anti-poaching patrols with the authority currently not given to SODEFOR workers. To be sure, it is only by this missing authority granted by the Ivorian government and the monetary support of international conservation organizations, that the Taï National Park to the west and the Comoe National Park to the north harbor any wildlife today.

Most primates throughout the world face an uncertain future. The results of this survey have, potentially, more immediate and permanent conclusions. Ongoing surveys in Ghana have yet to identify any surviving populations of Miss Waldron's red colobus. That this monkey was also not found in our Ivorian surveys suggests that *Colobus badius waldroni* is now extinct. If this conclusion is correct, this is the first recorded extinction of a widely recognized

primate taxon this century. Plans are currently being made for additional surveys along the Cote d'Ivoire-Ghana border. Unless aggressive steps are immediately taken to protect the remaining primates there, it is likely that only empty forest will be found.

For their generous financial support, I thank the American Society of Primatologists, Royal Zoological Society of Scotland, Conservation International, Primate Conservation Incorporated, Wildlife Conservation Incorporated and the Chicago Zoological Society. More detailed accounts of this survey can be found in *Oryx* 32:233-236, 1998 and in a forthcoming issue of *African Primates*. - W. Scott McGraw, Department of Anthropology, New York College of Osteopathic Medicine, New York Institute of Technology, Old Westbury, New York, 11568; Tel.: (516) 686-3806; Fax: (516) 686-3832; E-mail: smcgraw@iris.nyit.edu.

Call for Conservation Award Nominations and Grant Applications

Nominations for Conservation Awards and Grants are now being sought by the American Society of Primatologists (ASP). These awards and grants, funded from the ASP Conservation Fund, are a mechanism to recognize deserving colleagues and students, including those from primate habitat countries - countries with native primate fauna. The prestige of an ASP award or grant can be a valuable aid to the recipient's conservation efforts.

Subscription Award: This award provides the *American Journal of Primatology* to worthy individuals in habitat countries who otherwise would have little access to the scientific literature on nonhuman primates. Preference is given to individuals who will make the journal available for use by students and colleagues. The award is normally granted for a 5-year period. Recipients are requested to submit a brief report every two years summarizing the use of the journal. A nominating letter should describe the nominee's credentials, his/her primate-related activities, and should explain why the nominee deserves to receive high priority consideration.

Conservation Award (\$500): This award provides recognition and financial support for students and young investigators from habitat countries who demonstrate potential for making significant and continuing contributions to primate conservation. Those eligible include students, researchers, and educators from primate habitat countries for whom no more than five years have elapsed since receipt of their terminal degree. Nominators should provide the name, title and full mailing address of their

nominee, along with a statement about the nominee's qualifications for the award, focusing on past and potential contributions to primate conservation. A copy of the nominee's vita is requested. Supporting letters from other individuals acquainted with the nominee's work may be submitted. Past awards have been presented by U.S. Ambassadors or other senior officials, thereby obtaining favorable publicity for the award, its recipient, and primate conservation in the recipient's country.

Senior Biology and Conservation Award (\$500 Honorarium): This award is one of ASP's highest honors. It is given to recognize an individual without an advanced degree who has made substantial contributions over many years to promote primate conservation either through direct action or via enhancement of biological knowledge or well-being of primates. Such contributions could arise from work done in field, laboratory, or zoo settings. Nominees might work directly with primates or be engaged in activities supporting those who work with primates. Examples include, park rangers, census takers, animal caretakers, research technicians, assistants or facilitators, and individuals involved in private enterprise benefiting primate conservation. Nominating letters should detail the nominee's qualifications, contributions to primate biology and conservation, period of service, and full mailing address. A copy of the nominee's vita is requested. Supporting letters from other individuals acquainted with the nominee's work may be submitted. This award is typically presented at a public ceremony by senior officials.

Conservation Small Grants (up to \$1500, but usually \$500): Grant proposals are solicited for conservation research or related projects, including conservation education. ASP and IPS members working in habitat countries are especially urged to apply or to help someone from a habitat country submit a meaningful project which can be a portion of a larger effort. **Grant applications may be obtained by contacting the ASP Conservation Committee Chair at the address below or from the conservation section on the ASP web page (www.asp.org).** Recipients of grants must agree to submit a brief report (maximum 1 page, single spaced), in a form suitable for publication in the *ASP Bulletin*, to the chair of the ASP Conservation Committee within 6 months of completion of the project.

Evaluation and Application Procedure: With the exception of requests for emergency support, which can be considered at any time for immediate action, the Conservation Committee will make its recommendations for awards and grants to the ASP Board of Directors at the annual meeting. Successful nominees and applicants will be informed following the meeting and their names will be published in the *ASP Bulletin* and posted on the ASP web page. The **1999 deadline** for submission of nominations and grant proposals is **June 4**. They should be sent to Randall C. Kyes, Chair, ASP Conservation Committee, Regional Primate Research Center, University of Washington, Box 357330, Seattle, WA 98195. - Randy Kyes, Conservation Committee Chair

*In Memorium***ROBERT W. GOY**

January 25, 1924 -- January 14, 1999

Robert W. Goy, pioneering investigator of the origins of behavioral sex differences, educator, and Primate Center director died Jan. 14, 1999, from cardiovascular and metabolic complications. He would have been 75 on Jan. 25.

Goy was a professor of psychology and director of the Wisconsin Regional Primate Research Center at UW-Madison from 1971 to 1989. His seminal research advanced the notion that exposure to the male sex hormone testosterone during fetal development "organized" the developing nervous system to express masculine characteristics. This basic principle of hormone action has been found to operate in animals from lizards to nonhuman primates and is an important aspect of human development. In addition, Goy made significant contributions to our understanding of the role that early social experience plays in developing the expression of masculine and feminine behavior. For more than 35 years, Goy mentored Ph.D. students and postdoctoral fellows who have become leaders in the fields of primate behavior and neuroendocrinology. As a long time member of the NIH psychobiology research panel, Goy was a strong and consistent supporter of innovative research in this field. Many of today's established researchers benefited from Goy's ability to recognize new and exciting research approaches before they became widely accepted.

Goy was born in Detroit and received his undergraduate and doctoral degrees in psychology from the University of Michigan in 1947 and University of Chicago in 1953, respectively. He then joined the laboratory of W.C. Young at the University of Kansas, where some of the most important advances in the emerging field of behavioral endocrinology were made over the next 10 years.

In 1959, Goy and W.C. Young, with colleagues Charles Phoenix and Arnold Gerall, published the first unambiguous evidence that prenatal exposure to elevated levels of the male sex hormone testosterone masculinized both the reproductive anatomy and behavior of genetically female offspring. This landmark study advanced the argument that the fetal hormonal environment permanently organizes the developing nervous system to produce either masculine or feminine patterns of behavior. This organizational effect of hormones became one of the key concepts in behavioral neuroendocrinology and revolutionized the way in which hormonal influences on behavior were subsequently studied. The concept radically altered views of human sexual development when scientists recognized that human genetic anomalies could alter the natural prenatal hormonal environment and permanently alter an individual's anatomy and behavior.

In 1963, Young's laboratory group moved to the newly established Oregon Regional Primate Research Center outside Portland to expand its sexual differentiation studies to nonhuman primates. To prepare for this next research phase, Goy had been a visiting scientist at the Wisconsin Regional Primate Research Center from 1961 to 1963. At the WRPRC, he studied the measurement of sex differ-

ences in juvenile behavior of rhesus monkeys with noted primate psychologist Harry Harlow.

In 1964, Goy, Young and Phoenix began investigating the effects of prenatal hormone alterations in rhesus monkeys. They produced the first masculinized genetic female rhesus monkey and demonstrated that the principles developed in guinea pigs applied to nonhuman primates and, by extension, to humans. These landmark studies also showed that differences in male and female juvenile rhesus monkeys' social behavior, which occur when the young monkeys are not secreting gonadal hormones, were organized by the prenatal hormone environment. This was the first clear evidence that prenatal hormones actually altered the structure of the nervous system, instead of changing its sensitivity to the activating effects of gonadal hormones. Subsequent work in other laboratories throughout the world have unequivocally provided evidence of specific structural changes within the developing nervous system-changes organized by hormones during the period of sexual differentiation.

Following W.C. Young's death in 1966, Goy headed the Division of Reproductive Physiology and Behavior at the Oregon Regional Primate Research Center. Goy, Phoenix, and colleague John Resko continued their research into elucidating the role of gonadal hormones in the activation and organization of behavioral sex differences.

In 1971, Goy succeeded Harry Harlow as Director of the Wisconsin Regional Primate Research Center and continued in this role for 18 years. At Wisconsin, Goy initiated studies on how early experience affects the development of adult reproductive behavior in rhesus monkeys. He was the first to recognize that the standard laboratory rearing paradigm in common use for rhesus monkeys produced appropriate juvenile behavior but deficient adult sexual behavior, particularly for males. So Goy developed a unique laboratory rearing environment using carefully selected groups of mothers and infants. The environment preserved important aspects of the social environment a rhesus monkey would normally encounter in its natural habitat. With colleagues David Goldfoot and Kim Wallen, Goy demonstrated the important role that early experience plays in the expression of juvenile and adult sex differences in behavior.

In 1986, Goy, with colleagues Mary McBair and Fred Bercovitch, published a study demonstrating that very short prenatal exposure to androgen could masculinize juvenile patterns of behavior. Most importantly, by altering the time during gestation when the female fetus was exposed to androgen, Goy masculinized the female offspring's behavior without masculinizing her reproductive anatomy or neuroendocrine function. This separation between physical and psychological effects suggests a possible cause of human transsexuality.

In addition to his pioneering contributions to our understanding of sexual differentiation, Goy made equally important contributions to the study of the neural control of sexual behavior. He demonstrated with colleagues Jeff Slimp and Ben Hart

that medial preoptic lesions eliminate male rhesus monkey sexual behavior without eliminating sexual motivation. Similarly, with colleagues Ei Terasawa, Stan Wiegand, Thom Nass, Bill Byne, and Ruth Bleir, Goy contributed to our understanding of the organization of the endocrine hypothalamus and its role in regulating the ovarian cycle.

Throughout his career, Goy championed the role that hormones play in activating sex-typical patterns of behavior and how the hormonal environment of an individual is a critical component of one's psychological makeup. In the 1970s, the male response to changes in female physical attractiveness was thought to control rhesus monkey sexuality. Yet, during this time, Goy presented the first evidence that the female's ovarian hormones modulated her own sexual motivation, not simply how attractive she was to a male. This view of hormonally modulated female sexual motivation, which took 15 years to demonstrate definitively, solidified our understanding of both human and nonhuman primate sexuality.

Following his retirement in 1989, Goy remained active in behavioral neuroendocrinology. He supported the fledgling Society for Behavioral Neuroendocrinology and collaborated on studies at the Yerkes Regional Primate Research Center that addressed the effect of prenatal suppression of naturally occurring androgens in fetal males. He also collaborated with the Wisconsin Regional Primate Research Center and the Mayo Clinic on the role of prenatal androgen excess in the development of infertility and diabetes in women.

During his tenure as director, Goy mentored numerous graduate students, postdoctoral fellows and visiting scientists in behavioral endocrinology and primate development. Goy combined through his teachings a caring and thoughtful personal style with a sparkling and masterful intellect. Many of his students have become leaders in the fields of neurobiology, neuroendocrinology, behavioral endocrinology and primatology.

Goy served as a frequent consultant to the NIH and various professional societies. He became the second editor of *Hormones and Behavior* following Frank Beach's retirement. He remained editor until the publication became the official journal of the Society for Behavioral Neuroendocrinology in 1996. Goy was also an editorial consultant for several scientific journals and books, and he authored or co-authored nearly 200 scientific articles.

Awards Goy received included the Kenneth Craik Award in Physiological Psychology from Cambridge University and the Distinguished Scientific Contribution Award by the American Psychological Association. The latter is awarded to individuals who demonstrate "outstanding theoretical or empirical contributions to basic or applied research in psychology." Last year, Goy was honored for his lifelong contributions at a special symposium of the Inaugural meeting of the Society for Behavioral Neuroendocrinology. - *Kim Wallen, Ph.D., Emory University, Dept. of Psychology, and Yerkes Regional Primate Research Center*

Employment Opportunities in Primatology and Related Fields

Two tenured/tenure-track Faculty - University of Southwestern Louisiana New Iberia Research Center, Division of Behavioral Biology. The University of Southwestern Louisiana's New Iberia Research Center continues to expand its Division of Behavioral Biology. The division currently consists of two tenured/tenure-track faculty, their staff and students, and three state-of-the-art laboratories dedicated to investigating the evolution of human cognitive specializations through comparative studies of monkeys, apes, and humans. Two laboratories compare the cognitive processes and development of chimpanzees and human infants and children, and a third laboratory investigates the evolution of primate brain organization. A new tenure-track position is open beginning in August 1999. The division seeks an appointment at the junior levels, but other strong applicants will be considered. Applicants should hold a Ph.D. in psychology, biology, physical anthropology, linguistics, or a related discipline, and must exhibit exceptional promise for empirical and theoretical research. Applicants working in the areas of cognitive development, cognitive evolution, neuropsychology (including functional imaging, developmental disorders, lesion analysis, and evoked potentials), primate communication, and/or evolutionary psychology will be considered, but applicants with a strong background in evolutionary principles and a demonstrated interest in comparative research will be especially competitive. Please send a curriculum vitae, selected reprints, a short statement of research interests, and three potential references to Daniel J. Povinelli, Director, Division of Behavioral Biology, University of Southwestern Louisiana, New Iberia Research Center, 4401 W. Admiral Doyle Drive, New Iberia, LA 70560. **The Search committee will begin the formal review of applications January 15, 1998; applications will be accepted until the position is filled.** The University of Southwestern Louisiana is an equal opportunity/affirmative action employer.

Position at Institute for Cognitive Science - U of SW Louisiana. The University of Southwestern Louisiana's Institute for Cognitive Science invites applications for a tenure-track faculty appointment at the assistant professor level for a new Ph.D. program. Appointment is anticipated for the Fall of 1999. Applicants must have an earned doctorate in Cognitive Science or a closely related area, as well as demonstrated potential for research excellence. Focus areas of the new program are in cognitive processes, comparative cognition, com-

putational models of mind, cognitive neuroscience, and language and thought. Salary is competitive, depending on experience and qualifications. Applicants should send a letter of application, statement of research interests, curriculum vitae, reprints, and three letters of reference to Dr. Steve Giambone, Institute for Cognitive Science, P.O. Drawer 43772, University of Southwestern Louisiana, Lafayette, Louisiana 70504. **Deadline: March 15, 1999.** The University is in compliance with Title IX of the Civil Rights Act, Section 504 of the Rehabilitation Act of 1973, and is an Equal Employment Opportunity Affirmative Action Employer. Contact: Daniel J. Povinelli, Chairman, Cognitive Science Search Committee, Institute for Comparative Cognitive Science, P.O. Box 43772, University of Southwestern Louisiana, Lafayette, LA 70504; Tel.: (318) 482-5400; Fax: (318) 482-6195; E-mail: steveg@usl.edu

Mountain Gorilla Veterinary Center - Field Veterinarian - Rwanda, Africa. Hiring Organization: Morris Animal Foundation. Unique opportunity for experienced zoo or wildlife veterinarian to work with Rwandan counterpart veterinarian on endangered mountain gorillas in Rwanda, Uganda, and Democratic Republic of the Congo. Duties include emergency medicine, field health evaluations, parasitology and research. Requires clinical experience with primates, preferably gorillas or great apes. Knowledge of French or ability to learn some conversational in a short time. Excellent physical condition. Salary dependent on experience. Term of Appointment: One year beginning July, 1999. (2nd year possible). **Application Deadline: March 15, 1999.** Send current resume to Kristin Benjamin, MGVP Liaison, Morris Animal Foundation, 45 Inverness Drive East, Englewood, CO, 80112; Tel.: (303) 790-2345; Fax: (303) 790-4066; E-mail: MorrisAF@aol.com.

Head, Division of Veterinary Science - University of Southwestern Louisiana New Iberia Research Center (USL-NIRC). This is a senior level management position, reporting to the Director of USL-NIRC, responsible for overseeing 3 veterinarians and 15 veterinarian technicians and assistant technicians. The successful candidate will be responsible for developing and implementing programs for the provision of comprehensive veterinary care in compliance with NIH guidelines, and federal, state, and accreditation requirements for preventative medicine and quarantine programs. Responsibilities include, but are not limited to, managing all phases of diagnostic, therapeutic, and

surgical care. The successful candidate is also expected to develop collaborative and independent research programs. Qualifications include a Doctor of Veterinary Medicine or equivalent degree from an AVMA accredited school of veterinary medicine. Board eligibility or certification by ACLAM or ACVS is desirable. A minimum of 6 years-combined senior administrative and technical experience with non-human primates will be required. Management, interpersonal, writing, and communication skills are essential. Candidates should submit a letter of application, curriculum vitae, and a list of three references to: Thomas J. Rowell, D.V.M., Director, University of Southwestern Louisiana New Iberia Research Center, 4401 W. Admiral Doyle, New Iberia, LA 70560; Tel.: (318) 482-0225; Fax: (318) 373-0057; E-mail: tjr7173@usl.edu

Primate Veterinarian - Max-Planck Institute for Biological Cybernetics. A veterinarian is sought for the overseeing and care of a colony of 25 to 30 *Macaca mulatta* (Rhesus macaques) living in a research animal holding facility in the laboratory of Prof. Dr. N. K. Logothetis. Responsibilities would include the carrying out of surgeries for the placement of implants, induction and maintenance of anesthesia during surgery, induction and maintenance of anesthesia during MRI (Magnetic Resonance Imaging) experiments as well as electrophysiological experiments. Qualifications: DVM (preferably with primate experience). Salary/funding: BAT IIa (further details can be provided upon request). Support is provided for attending seminars, symposia, and conventions for the purpose of continuing education and gathering experience. Contact: Ms. Tina Schroeder, Max-Planck Institute for Biological Cybernetics, Spemannstr. 38, Tuebingen, Germany 72076; Tel.: 49 7071 601 651; Fax: 49 7071 601 652; E-mail address: tina.schroeder@tuebingen.mpg.de

Postdoctoral Fellow in Evolutionary Morphology - Department of Anatomy, New York College of Osteopathic Medicine. The Department of Anatomy of the New York College of Osteopathic Medicine invites applications for one or more, two year postdoctoral positions. Sole teaching responsibilities are a 4 month course in human gross anatomy. Research interests of candidates should broadly complement the department's existing strengths in evolutionary morphology and physical anthropology. The New York College of Osteopathic Medicine is located in an attractive region of central Long Island, with proximity to the American Museum of Natural History and

Employment Opportunities (continued)

numerous major universities and research institutions. Applicants must possess a Ph.D. and have experience in human gross anatomy. Salary is \$26,000 per year. Term of Appointment: two years starting September 1, 1999; (1999-2001). **Application Deadline: March 15, 1999.** Please send a curriculum vitae and the names, addresses and email addresses of at least three references to: Scott McGraw, Department of Anatomy, New York College of Osteopathic Medicine, Old Westbury, New York, 11568; Tel.: (516) 686-3806; Fax: (516) 686-3832; E-mail: smcgraw@iris.nyit.edu.

Senior Level Research Assistant - Southwest Foundation for Biomedical Research. This is a senior level position in a research project studying the maternal behavior of baboons in social groups. The primary responsibility of this position is the collection and summarization of behavioral data on mother and infant baboons, using computerized data collection system. Coordination and scheduling of data collection sessions with the behavioral and animal care staff is required. The successful applicant will have experience with computerized data collection, word processing and spreadsheet programs, management of research projects and report generation. Bachelor's degree in anthropology, zoology or psychology or related field required. Master's degree preferred. Course work in animal behavior and primatology preferred. Experience conducting behavioral research required. Experience with primates preferred. Experience collecting behavioral data on primates with computerized system preferred. Supervisory experience, organizational skills, and interpersonal skills needed. Term of Appointment: At least 4 years (grant-funded position). **Application Deadline: Open until filled.** Some weekend work may be required. Contact: Human Resources Department, Southwest Foundation for Biomedical Research, P.O. Box 760549, San Antonio, Texas, USA 78245; Tel.: (210) 674-1410; E-mail: Linda Brent lbrent@icarus.sfbr.org

Research Assistant - Transcranial Magnetic Stimulation Lab, Columbia University. Full time assistant needed for research on transcranial magnetic stimulation (TMS) as a new noninvasive technique for studying brain function and treating psychiatric disorders. TMS induces electrical current flow in the brain via alternating magnetic fields applied to the scalp. We are studying the effects of this intervention on neurophysiology using intracranial electrodes and performing basic work needed to support the use of this technique as

a novel therapeutic agent in humans. Parallel studies in humans apply TMS to study various aspects of information processing and emotion in normal volunteers and patients with mood disorders. Projects include animal experimentation using rhesus macaques as well as research in normal volunteers and psychiatric patients. Responsibilities include daily behavioral training with the monkeys, participation in surgical procedures, collecting electrophysiological data, and processing data. Requirements: BA or BS, a demonstrated interest in this type of research, computer expertise (both PC and Mac) a must, and a commitment for at least two years. Experience in primate research desirable. Salary commensurate with experience. Funded through federal grants. Term of Appointment: Two years minimum commitment. **Application Deadline: Until filled.** Contact: Dr. Holly Lisanby, Magnetic Stimulation Laboratory, Department of Psychiatry, Columbia University, Department of Biological Psychiatry, New York State Psychiatric Institute, 1051 Riverside Drive, Box 126, New York, New York, 10032-2695; Fax: (212) 543-5854; E-mail address: SHL24@columbia.edu

Laboratory Animal Technician III, University of Kentucky. The Division of Laboratory Animal Resources (DLAR) provides care for laboratory animals at the University of Kentucky. We are recruiting a Laboratory Animal Technician III. Duties include daily care and observation of rhesus and cynomolgus macaques, including feeding, environmental maintenance, administration of prescribed medications and special diets, and provision for the psychological well-being of the animals. Under the supervision of the clinical veterinarian, the incumbent will perform routine preventive healthcare and care for sick animals when needed. The DLAR consists of a Director and three other veterinarians, animal husbandry staff, a state of the art surgical suite and clinical laboratory, and an administrative office. The University is an Equal Opportunity employer. BS in animal science or equivalent. Certification by the American Association for Laboratory Animal Science (AALAS) at the Laboratory Animal Technologist (LATG) level preferred. The University provides medical and retirement benefits, disability and vacation leave, and opportunities for employee education. Salary range is \$19,500-31,200 depending upon qualifications. Employees may attend the national AALAS meeting on a rotating basis. Other training/continuing education opportunities may be funded depending on location and employee's need. **Search open until position is filled.** Contact: Janet Rodgers, DVM,

Division of Laboratory Animal Resources, H-41A U.K. Medical Center, Lexington KY, 40536-0293; Tel.: (606) 323-5885; Fax: (606) 323-6002; E-mail: rogers@pop.uky.edu.

Research Assistant, Thomas Jefferson University. Full time behavior pharmacology position open in Parkinson's disease research laboratory. Applicant must have BS degree in psychology or biology and experience handling primates. Duties would include behavioral training/testing and data analysis of macaques and squirrel monkeys. Parkinsonian primates are trained to perform cognitive tasks (either within a Wisconsin box or computer-touch screen). Opportunity to work in other areas of research within the lab as well. Requirements: BS degree in psychology or biology, experience handling primates in a research situation. Salary negotiable, full-time benefits. Position open until filled. Must be a caring person who supports animal research in medicine. Contact: Maria Van Velson, Thomas Jefferson University, JAH Rm. 561, 1020 Locust St., Philadelphia, PA 19107; Tel.: (215)503-0400; E-mail: maria.vanvelson@mail.tju.edu.

Volunteer Positions

Volunteer Field Assistants (2). Two responsible and mature volunteers are sought as field assistants to help a graduate student from New York University in the NYCEP (New York Consortium in Evolutionary Primatology) program. The project involves the socio-reproductive behavior of the red-bellied tamarin (*Saguinus labiatus*) in northwestern Bolivia. Project begins in June and is expected to run for approximately 1 1/2 to 2 years. Preference given to candidates willing to commit to that entire time or at least one year. Assistants will help in the collection of behavioral data and in trapping the animals for collection of physiological data and DNA samples. **Assistants are also expected to pay their own way. This includes airfare, lodging when in town, and food.** No experience is necessary, but preference will be given to those with a bachelor's degree in biology, physical anthropology, environmental science, or related fields. Volunteers with experience handling live animals and with travel experience are also preferred. Knowledge of Spanish is highly favorable (Portuguese, an added bonus). Volunteers will be asked to submit a resume and a brief letter explaining your interest in the project. Contact: Sandra Suarez, sqs6596@is.nyu.edu.

Volunteer Positions (continued)

Volunteer Project Assistant for primate conservation in Vietnam - ZSCSP/Allwetterzoo Muenster. Several possible positions are or will be available. Positions are for one of two projects, both sponsored and managed by the ZSCSP. Both positions are based in North Vietnam and focus on the conservation of endangered primates and the habitats in which these animals live. The projects are the Endangered Primate Rescue Center (EPRC) and the Tonkin Snub-Nosed Monkey Project (TSNMP). The EPRC is home to about 60 primates (usually orphaned by hunters), including several langur species; several species of gibbon; and two species of loris. The TSNMP focuses on field conservation for the very-rare Tonkin Snub-Nosed langur. There is a need for volunteers to conduct field surveys in several areas: primate population/distribution, population/distribution of other animals (such as reptiles, dragonflies, butterflies, and birds), vegetation/ecological data, and mapping forest areas and reserve borders. Other volunteer possibilities include helping to develop and work on conservation education programs, doing socio-economic work in villages, and working at EPRC itself. Applicants must be able to: work well in a developing country and with different cultures and peoples; take part in life in Vietnam and work well with the Vietnamese; and handle basic, even rough, living conditions in an often-uncomfortable climate. Must have an awareness of and concern for the conservation of primates and their habitats. Helpful, but not required: primate conservation/rehabilitation, wildlife/ecological field surveys (not exclusively pri-

mate surveys), conservation education programs, overseas (particularly Third World) living and working, biology- or conservation-related educational degree, animal-enclosure enrichment and building/repair, and veterinary care. Bonus skills: computer knowledge, auto/motorcycle maintenance, teaching English, speaking Vietnamese, nonprofit fund-raising, etc. **Currently, funds are not available to assist volunteers.** Volunteers will, at this time, be required to pay a per-day or per-month minimal fee to help cover their food, housing, transportation, and other costs. They will also be responsible for their airfare, medical, and other living expenses. Individuals interested in volunteering for the EPRC or TSNMP should send a copy of your resume/CV and a letter containing the following information: age, reason for wanting to volunteer for the EPRC/TSNMP and in Vietnam, preference for type of work (field research vs. education vs. working at the center, for instance), previous overseas living/working experience, practical/educational experience for working with primates and/or conservation efforts, other applicable skills, date you can start, length of time you can/would like to commit. Because the projects are geographically located in different provinces, contact each one separately. For the EPRC: Endangered Primate Rescue Center, Attn: L. Baker/Volunteer Program, Cuc Phuong National Park, Nho Quan District, Ninh Binh Province, Vietnam. For the Tonkin Snub-Nosed Monkey project: Bettina Martin, Volunteer Program; c/o Anh Binh, Ban Quan Ly Du An Bao Ton Thien Nhien; Na Hang, Tuyen Quang, Vietnam; E-mail: snubnose@netnam.org.vn.

Volunteer Sanctuary Manager and Assistant Manager, Chimpanzee Rehabilitation Sanctuary, Cameroon. Two volunteer positions, a Sanctuary Manager and an Assistant Manager, for a chimpanzee sanctuary in Southwest Cameroon. The sanctuary is currently being set up and these will be the first volunteer positions. The Manager should have experience in Africa and with chimpanzees. The Assistant Manager should have either experience in Africa, or experience working with primates. Veterinary experience, management, bilingual French/English, experience with electrical fences, or accounting will also be a plus. Expenses and lodging will be provided at the site. Airfare will be the responsibility of the volunteer. The position will be for a minimum of 6 months. The sanctuary will consist of large forested electrical enclosures. The chimps come from a captive environment and will be integrated into a social group. In addition, the sanctuary intends to create education and visitors centers. The sanctuary is being funded by In Defense of Animals, an American NGO. The positions will give great responsibility to the volunteers and the volunteers should be ready to commit to the sanctuary fully. The positions are not easy but will provide excellent experience in working with chimpanzees in a natural setting. The positions are available starting April 1st. To apply, contact Estelle Raballand, Sanctuary Coordinator, at esthel@yahoo.com. Lodging and meals will be provided on site. **Air fare at the charge of the volunteer and this is a non-salaried position.**

PRIMATE-JOBS

PRIMATE-JOBS is an international listing service coordinated by the Wisconsin Regional Primate Research Center at the University of Wisconsin—Madison. Organizations with positions available or individuals seeking positions may use this service. Interactions with the service can be managed from your computer. Primate-Jobs can be accessed at:

www.primate.wisc.edu/pin/jobs/

Note that any position that relates to nonhuman primate research, educa-

tion or conservation—research assistant or intern, teaching faculty, TAG member, field worker, sanctuary volunteer, foundation president, zoological garden curator—can be listed.

If you want to list a position, go to the address above and select "Positions Available Listing Form." Those seeking positions will use the "Positions Wanted Listing Form."

Those looking for placement opportunities in primatology can consult the "Positions Available" listings. Organizations seeking potential candidates can review the "Positions Wanted" listings.

Note that the responsibility for conforming to local, state, regional and national employment listing regulations lies with the listing agency. The Wisconsin Regional Primate Research Center, the University of Wisconsin, and the National Center for Research Resources (National Institutes of Health), will not be held liable for misinformation in, or consequences resulting from, postings to PRIMATE-JOBS.

The WRPRC welcomes your use of this service. - *Larry Jacobsen, Primate Info Net Coordinator, Wisconsin Regional Primate Research Center, University of Wisconsin-Madison*

Conference and Workshop Announcements

Nonhuman Primate Ultrasound Imaging/Symposium (4th), 17-19 March 1999. Location: University of South Alabama College of Medicine, Mobile, Alabama, USA. Ultrasound is emerging as an important research and diagnostic tool—the workshop provides a working knowledge of ultrasonography—includes echocardiography, obstetrical and gynecological ultrasound, digital imaging/ultrasound and the Internet. Contact: Rusty Brady at (334) 460-6239 or Fax: (334) 460-7783.

Putting Ethics into Action: The Costs of Caring and Complying, 22-23 March 1999. Sponsor: PRIM&R—Public Responsibility in Medicine and Research. Paradise Point Resort, San Diego, California. Contact: E-mail PRMR@aol.com; Tel.: (617) 423-4112; Fax: (617) 423-1185.

HIV/AIDS Update Conference (11th National), 23-26 March 1999, San Francisco. Contact: KREBS Convention Management Services E-mail: krebsconv@aol.com; Tel.: (415) 920-7000; Fax: (415) 920-7001.

Association for the Study of Animal Behaviour - Easter Meeting, 29-31 March 1999, University of Newcastle, UK Contact: Sue Healy, Department of Psychology, University of Newcastle, Newcastle-upon-Tyne NE1 7RU, UK; Fax: +44 (0) 191 2225622; E-mail: s.d.healy@ncl.ac.uk.

Primate Society of Great Britain - Spring Meeting, 12-13 April 1999, Liverpool University, Liverpool, UK. Focus on the first day: Social Complexity. The second day will be an open meeting for presentation by members of the Society—emphasis will be given to postgraduate students and primate keepers. Offers of papers should be sent to Russell Hill, School of Biological Sciences, Nicholson Building, University of Liverpool, Liverpool L69 3BX E-mail: rahill1@liv.ac.uk. Full details of the meeting as well as places to stay are available on the PSGB web page: <http://www.liv.ac.uk/~lycett/main.htm>

Southern California Primate Research Forum (10th Conference), 18 April 1999 9am to 3:30 pm. Location: California State University, Fullerton, California, USA. Topic: Primate Cultures. Featured speakers — William McGrew, Dorothy Frigaszy, Linda Marchant, Mary Baker. Contact: Anthony Rose, Institute for Conservation, Education and Development; E-mail: Anthony_Rose@antiochla.edu or forum@biosynergy.org; Tel: (310) 379-1470; Fax: (310) 379-7042.

American Association of Physical Anthropologists (68th Annual), 28 April to 1 May 1999. Location: Hyatt Regency Hotel, Columbus, Ohio. Contact: Local Arrangements Committee Chairman, Douglas Crews, Department of Anthropology and School of Public Health, Columbus, Ohio; E-mail: crews.8@osu.edu; Tel.: (614) 292-1329; Fax: (614) 202-4155.

World Conference on Breeding Endangered Species (7th), 22-26 May 1999. Location: Cincinnati Zoo, Cincinnati, Ohio, USA. Contact Grace Rettig, Fax: (513) 559-7791.

Third International Conference on Cognitive and Neural Systems, 26-29 May 1999. Sponsored by Boston University's Center for Adaptive Systems and Department of Cognitive and Neural Systems. The conference will include invited tutorials and lectures, and contributed lectures and posters by experts on the biology and technology of how the brain and other intelligent systems adapt to a changing world. The conference is aimed at researchers and students of computational neuroscience, connectionist cognitive science, artificial neural networks, neuromorphic engineering, and artificial intelligence. For complete details contact: Cynthia Bradford, Boston University, Department of Cognitive and Neural Systems, 677 Beacon Street, Boston, MA 02215; Fax: (617) 353-7755; E-mail: cindy@cns.bu.edu.

European Congress of Mammalogy (3rd), 29 May to 3 June 1999. Location: Jyväskylä, Finland. Contact: Congress Secretary, Confennia Ltd.; e-mail: lappalai@cone.jyu.fi.

Endocrine Society (81st Annual Meeting), 12-15 June 1999. Location: San Diego, California, USA. Contact: Kim Akoto, The Endocrine Society, 4350 East West Highway, Suite 500, Bethesda, Maryland 20814-4410; Tel.: (301) 941-0220; Fax: (301) 941-0259; Web site: <http://www.endo-society.org>.

Tropical Diseases: Control and Prevention, 12-16 June 1999. Location: Key West, Florida, USA. Contact: Paul Gibbs, Conference Chair; E-mail: pgibbs@nersp.nerdc.ufl.edu; Fax: (352) 392-5685; Tel.: (352) 392-5323; web site: <http://www.ifas.ufl.edu/~conferweb/stvm.htm>.

Society for Behavioral Neuroendocrinology (Annual), 26-30 June 1999. Location: Charlottesville, Virginia, USA. Focus: neural, endocrine, molecular and aspects of behavior. Contact: Emilie Rissman, University of Virginia; E-mail: rissman@virginia.edu. For program info: Rae Silver qr@columbia.edu.

Canadian Association for Laboratory Animal Science (38th annual symposium), 26-30 June 1999, Crowne Plaza Hotel, Winnipeg, Manitoba, Canada. Contact Don McKay, CALAS/ACSAL National Office, Biosciences Animal Services, CW 401 BioSciences Building, Edmonton, Alberta, Canada T6G 2E9; E-mail: dmckay@gpu.srv.ualberta.ca; Web: calas-ascal.org.

Molecular Strategies in Biological Evolution, 27-29 June 1999. Location: Rockefeller University, New York, USA. Sponsor: New York Academy of Sciences. Contact: E-mail: conferences@nyas.org; Web: <http://www.nyas.org/brochmsb.html>.

Animal Behavior Society (Annual Meeting), 26 June - 1 July 1999 at Bucknell University in Lewisburg, Pennsylvania. Plenary speakers include Gail Michener, Lynne Houck, and Steve Nowicki. Symposia include "Educating about Animal Behavior: A Broader Perspective." For further information see <http://www.cisab.indiana.edu/ABS/index.html> or contact local host, Michael Pereira; Tel.: (717) 524-1430; E-mail: mpereira@bucknell.edu.

Communication and Social Ethology, 14-16 July 1999. Location: Lisbon, Portugal. Sponsor: Association for the Study of Animal Behaviour. Contact: R. F. Oliveira E-mail: ruiol@ispa.pt; Fax: 315-1-8860954.

Brazilian Primatological Society, IX Congress, 25-29 July 1999. Location: Mello Leitco, Santa Teresa, Espmrito Santo, Brazil. Focus: Primate Conservation—Perspectives for the 21st Century. Contact: Sirgio Lucena Mendes, Museu de Biologia Brazil; Tel.: (027) 259-1182; Fax: (027) 259-1182; E-mail: mendes@sigma.tropical.com.br.

Society for the Study of Reproduction (Annual), 31 July to 3 August 1999, Washington

If you wish to announce a job opening or upcoming conference in the next ASP Bulletin, please contact the Editor: Janette Wallis, (405) 271-5251, ext. 47612; janette-wallis@ouhsc.edu

DEADLINE for the June issue of the ASP Bulletin - May 15.

Conference and Workshop Announcements

State University, Pullman, Washington, USA. Contact: (Pre-registration materials) SSR Business Office, 1603 Monroe Street, Madison, WI 53711-2021; Tel.: (608) 256-2777; Fax: (608) 256-4610; E-mail: ssr@ssr.org. For meeting information and updates: <http://www.ssr.org>.

American Veterinary Medical Association, 10-14 August 1999. Location: New Orleans, Louisiana, USA; Tel.: (847) 925-8070.

American Society of Primatologists (22nd Annual), 12-16 August 1999. Location: Fairmont Hotel, New Orleans, Louisiana, USA. Contact: Program Chair, Mollie Bloomsmith, TECHLab, Zoo Atlanta, 800 Cherokee Ave., S.E., Atlanta, Georgia 30315; Tel.: (404) 624-5990; Fax: (404) 627-7514; E-mail: mbloomsmith@mindspring.com. Local arrangements: Margaret Clarke, Department of Anthropology, Tulane University, 1021 Audubon St, New Orleans, LA 70118; Tel.: (504) 865-5336; Fax: (504) 865-5338; E-mail: mrclarke@mailhost.tcs.tulane.edu. For more meeting info visit the ASP Web site at: <http://www.asp.org> and related articles in this newsletter.

6th Congress of the Gesellschaft Fuer Primatologie, 18-22 August 1999, Utrecht, The Netherlands. Meeting will be hosted by the Projectgroep Ethologie & Socio-oecologie, Utrecht University. Invited speakers will focus on "Perspectives in Primatology." The program committee invites individuals to present perspectives on their scientific work in any field of primatology. **Abstracts must be sent to the program committee no later than June 1, 1999.** For more information contact Annet Louwse, Liesbeth Sterck or Jan van Hooff at: GfP, Projectgroep Ethologie & Socio-oecologie, Pb 80.086, 3508 TB Utrecht, NL; Tel: +31-(0) 30-2535401; Fax: +31-(0)30-2521105; E-mail: Kongr.GfP@Bio.UU.nl. All information including deadlines, fees, registration form etc. may also be obtained via the society's web page: <http://www.dpz.gwdg.de/gfp/utrecht99.htm>.

American Psychological Association (107th Annual), 20-24 August 1999. Location: Boston, Massachusetts, USA. Contact: CPSE Office, Courtney Leyendecker; Tel.: (202) 336-6126; URL: apa.org/convention/.

Conference on Environmental Enrichment (4th International), 29 August- 3 September 1999. Location: Edinburgh, Scotland, UK. **Abstract deadline: 31 March 1999.** Contact: In Conference Limited, 10B Broughton Street

Lane, Edinburgh EH1 3LY, Scotland, UK; Fax: +44 131 556 9638; E-mail: incoference@cableinet.co.uk.

World Anthropology at the Turn of the Century, IVth International Congress of Ales Hrdlička, 31 August to 4 September 1999. Location: Praha-Humpolec, Czech Republic. Organized by: Charles University in Prague, Czech Anthropological Society, Town Humpolec, National Museum, Prague, Museum of Dr. Ales Hrdlička, Prague. Focus: Theory, History, Methodology, Human Evolution...Primatology. Contact: Department of Anthropology, Faculty of Science, Charles University in Prague, Vinicna 7, 128 44 Praha 2, Czech Republic; Tel.: 420 2 21900144; Email: vaclav.vancata@pdf.cuni.cz (Vaclav Vancata); web site: <http://www.natur.cuni.cz/hardlicka>.

Models Primatologicos de La Evolucion Humana, Asociacion Primatologica Espanola (APE, III Congreso), 20-22 September, 1999. Location: Campus de la Universidad Autonoma de Barcelona. Inaugural lecture to be given by Professor Adriaan Kortland "Protohominid behaviour in primates". Contact: Secretariado de Departamento de Biología Celular e Fisiología, Facultad de Ciencias, Universidad Autonoma de Barcelona, 08193 Barcelona, Spain; Fax: 93 581 2295; E-mail: jvea@psi.ub.es.

Symposium on Nonhuman Primate Models for AIDS (17th Annual), 6-9 October 1999. Location: Doubletree Hotel, New Orleans, Louisiana, USA. Host: Tulane Regional Primate Research Center. Contact: Rita Duck, Tulane RPRC; Tel.: (504) 892-2040; Fax: (504) 893-1352; E-mail: rita@tpc.tulane.edu.

Association of Primate Veterinarians, 5-7 November 1999. Held before the national AALAS meeting in Indianapolis, Indiana. Focus: Clinical and experimental medicine as well as new developments in occupational health and regulatory matters. APV will continue to encourage trainees in laboratory animal medicine through its travel grant program. Contact: David Lee-Parritz, Harvard Medical School, Animal Resources Center, 665 Huntington Avenue, Boston, MA 02115, USA; Tel: (617) 432-2162; Fax: (617) 432-2438; E-mail: dleeparritz@hms.harvard.edu.

American Association for Laboratory Animal Science (AALAS - National), 7-11 November 1999, Indianapolis, Indiana, USA; Tel.: (901) 754-8620.

Mating and Social Systems of Old World Monkeys, 1 December 1999. Winter meeting of the Primate Society of Great Britain. Location: Institute of Zoology, London, UK. Offers of papers—oral or posters—are very welcome. Please contact: Dr. Caroline Ross or Mairi Macleod, School of Life Sciences, Roehampton Institute London, West Hill, London SW15 3 SN, UK; E-mail: c.ross@roehampton.ac.uk or m.macleod@roehampton.ac.uk.

Primate Socioecology: The Role of Life Histories. The German Primate Center (DPZ) will host an international conference on primate socioecology from 14 to 17 December 1999. The focus of this meeting ("2. Goettinger Freilandtage") will be on life history variation among primates. Invited speakers will examine causes of variation in life history traits and explore the consequences of this variation for behavioral and reproductive strategies. An additional goal is to better characterize unique aspects of primate life histories and illuminate general principles through comparison with other mammals. Submission for relevant oral (15 min) and poster contributions are invited. The conference is also open to guests without presentations. The deadline for submission of abstracts wishing to be considered for spoken papers or posters is August 1, 1999. Guests must also register in advance by October 1, 1999. Additional details are available from Peter Kappeler (pkappel@gwdg.de), the conference secretariat (gft@www.dpz.gwdg.de), and the conference web site: <http://www.dpz.gwdg.de/freiland.htm>

Get the Word Out: Advertise the ASP Meeting

The December issue of the *ASP Bulletin* featured a "pullout" section intended for use as an advertisement for the ASP meeting in New Orleans. Due to the routine overrun by the printer, we have many copies of that issue remaining.

If you wish to receive additional copies to help advertise the conference around your campus, please contact Janette Wallis at (405) 271-5251, ext. 47612; E-mail: janette-wallis@ouhsc.edu.

Special Topics in Primatology, Volume 1

Primate Conservation: The Role of Zoological Parks

Volume Editor - Janette Wallis

Series Editor - H. Dieter Steklis

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