Message from Asian Regional Representative of IZE

Dear ARNIZE Members:

This year marks the anniversary of the world’s oldest zoo, the Schoenbrunn Zoo, Vienna, Austria, which celebrates its 250th anniversary. There will be a series of meetings of the international zoo community held there in sequence with the BAnnual Conference of the International Zoo Educator Association among them. Other meetings are the Conservation Breeding Specialist Group and the World Association of Zoos and Aquariums. The IZE fundraising team, lead by Chris Peters of the Rotterdam Zoo, Netherlands is making a grand effort to insure that every region has representatives at the IZE meeting in Vienna.

As your IZE representative I have to nominate a few people and this I will do based on the activity and need of Asian zoo educators. There may be as many as ten scholarships for Asia.

In the meantime, keep sending articles, news and notes to ARNIZE newsletter. I will be submitting this information to the Web Editor for inclusion on the IZE website, as well as for the newsletter.

Recently, I was asked to be a member of the IUCN Commission for Education and Communication (IUCN CEC). I have accepted this membership and during my tenure as a member, I hope to do at least one thing — to bring to the attention of the other members, the enormous potential of zoos to educate the public in the many aspects of conservation of nature and natural resources.

A couple of years ago I attended a meeting of IUCN which was about regional biodiversity issues in South and South East Asia. In formulating recommendations for resolving some of the problems of biodiversity, one of which was insufficient knowledge and awareness in the public at large. Although I tried valiently to push a species concept via zoos as the most attractive and engaging way to catch public attention, there seemed a complete lack of knowledge and awareness of participants of this valuable resource! Although these suggestions were tolerated (barely) in the meeting, they found no place in the final report. Therefore, putting zoos on the map of the IUCN CEC may be the best way of reaching more members of IUCN.

Partnering with IUCN regional offices can be very advantageous by zoos, and vice versa. IUCN regional offices have staff that have much current information about the national status of plant and animal species and also habitat and environmental problems. A zoo educator would find a real treasure trove of information for signage, lectures, literature, public programmes, etc. in IUCN national or regional offices. IUCN brings out a variety of publications also which contain current information about the conservation scenario of different countries and their species and habitats.

If any of you already have projects and relationships with your IUCN national or regional office, I would like to hear about it and publish it in ARNIZE News as well as send it for the website. The next issue of ARNIZE News will be in July 2002, just before the IZE meeting in Vienna.

Total Members of ARNIZE as of February 2002

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20 Asian countries total representation

New ARNIZE members since Aug 01

1. Mr. Ramesh D. Katara, Asst. Conservator of Forests Forest Colony, Sukkarbaug Zoo Junagadh 362 001, Gujarat
2. Mr. M.M. Bahi, Research Associate Wildlife Heritage Trust, 95, Cotta Road Colombo 08, Sri Lanka
3. Binu Priya, A.R., Research Assistant
4. Sonali Lahiri, Graphic Designer
5. K. Padma Priya, Research Assistant
6. J. Vasantha Shyla, Supervisor Zoo Outreach Organisation, P.Box 1683 Peelamedu, Coimbatore 641 004, T.N.
7. Geetha Shrestha, Education Officer
10. Ramita Rai, Edu. Assistant
11. Tomisawa Kanako
12. Ms Rongxiu TU, Director of the Education Department
13. Mr. Jinrong TANG
14. Ms Mingzheng LIN
15. Mr. M.M. Bahir, Research Associate Wildlife Heritage Trust, 95, Cotta Road Colombo 08, Sri Lanka
16. Joyce Kwok, Education Manager
17. Rebecca Cheng, Sr. Education Officer
18. Geeta Shrestha, Education Officer
19. Ramita Byanjankar (Raj)
20. Surat Bom Jalla
21. Rachana Shah
22. Gulam Mohd. Malikyar

Educationist, Save Environment Afghanistan
Volunteer, Kabul Zoo
465, Haji Plaza, 4th Floor, Jamrud Road, GPO Box 831, Peshawar, Pakistan
Email: sea_africa@hotmail.com
CHINA SHANGHAI ZOO

New Long Corridor of Biotechnology
Shanghai Science Educational Building, the first one among zoos in Chinese mainland, took on a new look after elaborate reconstruction. One of the interesting new features is the new long corridor of biotechnology. The corridor is divided into seven parts: Learn from animal, Animal adaptation for survival, Biological diversity, Mysteries of insects, Animal travelers, Biological technology and Compare with animal. The exhibition takes advantage of pictures, models, lighting and electric devices to teach animal related lessons in unique ways. Here you will not only learn more about the wonders of nature but also understand the implications of the ecological crisis. Fortunately, the development of biotechnology gives more and more help to wildlife from medical treatment, nutrition to embryo transplantation, cloning and so on. The corridor of biotechnology is a window for a better understanding of wildlife for visitors to the zoo.

Introduction of the Fifth Shanghai Animal Art Festival
With the theme of “Cherish Animal, Advocate Science and Enter New Century”, the Fifth Shanghai Animal Art Festival featured a variety of unique performances. Grand silk embroidery “Nine-dragons Wall” displays Chinese traditional culture and the tenacious characters of dragon’s offspring. The new corridor of biotechnology introduces many aspects of wildlife and nature. With the theme “Animals and Me”, a painting and photography contest and exhibition for youngsters attracted a lot of participation. The festival will last until June 10th.

Photography and painting contest and exhibition held in order to promote children’s awareness of environment protection and care for wildlife, Shanghai Zoo and worked together with three units to organize this activity during the

"Cherish Animal, Advocate Science and Enter New Century", the Fifth Shanghai Animal Art Festival featured a variety of unique performances

"Animals and me" -- Painting competition - popular activity everywhere, no less at Shainghai Zoo
Fifth Shanghai Animal Art Festival. The contest received 2,000 pieces of works, 86 photos and 51 paintings by 120 contestants were exhibited from 22 April to June 10. Two intermediary competitions were held on 15th and 22th April on photography and painting respectively. Winners were issued awards on May 19th. Approximately 20,000 visitors enjoyed the exhibition.

**Knowledge Contest for Bird Cherishing Week**
During the annual Bird Cherishing Week, a contest about birds was held. Several newspapers published the questions. More than 20000 people joined the contest. On May 26th, 140 students from wildlife conservation schools took the final competition and 52 students received prizes.

**Birding Cherishing Week -- star attraction attracts the press**

**2001’s Earth Day—Activities for protection of water resource**
On April 20th, the Earth Day, a series of activities with the theme of protecting water resources, creating healthier and cleaner environment for life and work were held by Shanghai Zoo jointly with Intel Sci-tech (China) Company and Environmental Education Coordination Committee of Changing District. Families were invited to take part in a knowledge contest and games on the subject of water. These activities promoted the visitors’ awareness about the importance of protecting water resources and encouraged them to take real actions.

Submitted by Director, Education

**VIETNAM HANOI ZOO**
Education is an important tool for conservation. In order to increase awareness and in recognition of the importance of conservation education for the public, Hanoi Zoo co-operated with WWF Indochina and held the World Environment Day Festival on 5th June 2001, which included a puppet show and drawing contest with the subject: “Let’s take care of our Earth!” for the children. The puppet show: “Valuables of Forest” was written by Michael Matarasso, who is a head of Education Department of WWF Indochina. Many people attended the World Environmental Day Festival in Hanoi Zoo.

Submitted by Do Thanh Hoa, Dang Gia Tung, Hanoi Zoo, Vietnam

“**My Son is a Tiger**” -- popular drama featuring relationship between, environment and tiger

Recently also, Hanoi Zoo co-operated with WWF Indochina organized and held a Drama (photo above): “My son is a Tiger”. There was a free drama presentation by the Youth Theater of Vietnam on 19th & 21st November, sponsored by the Netherland Embassy. The drama, written by Michael Matarasso, features the public a relationship between human, environment and tiger. One of the tiger family rescued the son of a hunter from a flood. Afterwards, the hunter’s son lived together with the tiger family, but the hunter did not know this so he continued to kill tiger to gain its leather and bone. Six years later, the hunter found a tiger in his trap once while hunting and, surprised, he recognized his son in tiger appearance in his own trap. He felt terribly hurt. He turned himself into a river to provide a water source for animals. The drama attracted a large audience, most of which were children. The drama was very successful, enjoyed by children and adults alike. Through the drama the people came to understand that it is necessary to protect animal and environment - living together!

Submitted by Do Thanh Hoa, Dang Gia Tung, Hanoi Zoo, Vietnam

Environment Day Festival at Hanoi Zoo featured dramas, puppet show and other activities

Submitted by Director, Education
'CENTRAL ZOO -- Endangered Animal Facts File Exchange Program' -- FOZ Member Winners visit to London

Central Zoo, King Mahendra and the UK Trust and Hendon School of London collaborate on a Conservation Education Awareness activity called “Fact File Exchange”. Under this programme students and members share information about British and Nepalese endangered species of wild animals.

Thus, in April 2000 three Hendon students and teachers from UK visited Nepal resulting in most successful experience for both countries. This inspired a reciprocal visit by award winners from Nepal from 24 June to 8 July 2001. Under this scheme, information about endangered animal species of Nepal was collected from FOZ member students of 16 different schools in a competition. There were three “winners”, e.g. Chitiz Regmi of Shuvatara School, Tenzing Cheothan of MT Kailash School, Maya Lama of Triyog Girls School. These lucky students got to go to London and experience different programs during their stay at London -- a Cultural tour of London City, a visit to London Zoo, Morpeth School and to the Hendon School where there was a conservation education interaction program.

After their return the team shared their experience on their visit to Hendon School of London. Mr. Chandrian Shrestha, teacher of Shuvatara School who had accompanied the students also shed light on the educational activities in which they had participated during their visit to London.

The objective of this visit was to share information on teaching and learning of environmental and conservation issues of both countries. Also it was desired to develop and strengthen the partnership with Hendon school for future student exchange program. The King Mahendra UK Trust, the Hendon School of London and WWF-Nepal raised funds for the visit. The success of the programme is clear from the write up by one of the students (box).

Our Trip to U.K by Chitiz Regmi, Shuvatara School

A jolt...screech...halt...the plane finally did land! This was the moment I was eagerly waiting. As I looked down from clouds I could see bits of London, a fraction of the Heathrow Airport and (unbelievably) I actually could recognize the Millennium Wheel! It looked so tiny!

Our group of eleven people dispersed from the airport to go and stay with different hosts, my host being Ms. Surinder, a teacher at Hendon School. On our way to her place she explained to us -- Erisha, Nevadata, Maya and me -- about how the traffic systems work in UK. It was very interesting to know that there were hidden cameras and ‘sleeping guards’ (also called “speed-breakers”) to control traffic violations. We could hardly see any pedestrians.

The next day we went sight-seeing. The beautiful Victorian buildings, the red telephone booths, the double-decker busses and the conventional Hansome taxi-cabs were all so very English! We were so delighted to see everything from Buckingham Palace to Big Ben to the exceptional London Bridge.

The visit to the zoo, the following day, was just as exciting. It was very organized and provided wads of information on Mammals, birds, reptiles and invertebrates that are kept there. The natural environment ensured for every animal was highly interesting and gave us something to work towards as members of Friends of the Zoo in Nepal.

The next day took us to Hendon School. Some students of that school had recently come to Nepal as a part of Exchange Program organized by KMTNC. We attended English, Japanese, Arts and designing GCSE’s classes and presented Nepali Tamangs. It was a wonderful visit and we returned full of enthusiasm for the Central Zoo FOZ programme."

Chitiz Regmi, Shuvatara School

Endangered Animal Fact File and Educational Visit to London -- FOZ Members from Central Zoo
Kindergarten at Ocean Park, Hong Kong

Environmental Education could be taught in many ways; we believe that music, drama and games are effective means to draw the attention of young children.

Our newly launched kindergarten programmes, named “Journey into the Ocean” and “Whiskers’ Adventure”, create a joyful environment to stimulate students’ musical senses and imagination. Lead by Professor Turtle, students will ‘dive’ into the ocean and meet many marine animals. Students will join Ms. Crab for a sidewalk dance and swim with Mr. Shark!

During the game sessions, students will have a chance to act as fisherfolk and learn to fish using environmental-friendly means. Students choose to catch the right-sized fishes and leave the big ones to reproduce. To enhance students’ awareness of the recycling campaign in Hong
Kong, three recycle-bins are available for them to practice sorting paper into the blue bin, aluminium cans into the yellow bin and plastic bottles into the brown bin.

Other than the puppet animals, students will also have a close encounter with our live playful California sea lions in the pinniped exhibit, Pacific Pier and hundreds of colourful coral fishes in Atoll Reef aquarium.

Crafts of the sea -- way to children’s hearts and minds.

MALAYSIA

Education Program in Taiping Zoo

Happy New Year to all ARNIZE members. This is my news for the first education program done in Taiping Zoo for this year 2002. This program was planned earlier in January with the officers from the Department of Youth and Sports, District of Batang Padang, Tapah, in the State of Perak, Malaysia. As there is a National program called National Social Services Program (in Malay, it is known as Program Khidmat Sosial Negara) and every state Youth and Sport Department were asked to organize the program with a standard module, these officers came out with an idea to slot in an educational activities cooperated with the zoo.

This program was held from 11 to 14 February 2002 with 80 young participants from the district aged between 17 to 20. I was given a one-day program on 12 February to organize the zoo educational activities. My Report is limited to this but actually, for the whole program they have set a campsite not far from the zoo. It takes only 10 minutes walk from the zoo.

The one-day program were named KEMBARA ZOO TAIPING, it means "Wander to Taiping Zoo" and it was divided into three sessions. The first session was done in the morning, sec-
INDIA

Sepahijala Wildlife Sanctuary, Tripura

We had arranged following programmes to celebrate Animal Welfare Fortnight 2002 at Sepahijala Wildlife Sanctuary.

On 24-1-2002, we had arranged a painting competition and essay competition involving the students of the surrounding schools. 65 students of two age groups participated from 5 schools. All the students were supplied with one packet of the educational materials and two teachers viz. Smt. Manju Bhowmik of Bishalgarh H.S (+2) School and Sri Atul Kr. Singh of Baidhyar Dighi High School were selected to demonstrate the T-Shirt event and they were briefed about the procedure.

Thereafter the teachers conducted the programme as per guidelines given by ZOO in a very attractive way and all the participants as well as the spectators were pleased. Photos were taken for such events with two photos for T-shirt event and one for the whole group wearing masks and rakhis included here.

We had organized a bicycle rally to create awareness on the eve of celebration of Animal Welfare Fortnight 2002 involving youths of ten surrounding Panchayat schools where in all 60 boys and girls were participated. We had also provided them the materials received from your end. The participants were very glad and thankful on receiving such materials. A photo of this rally is appended.

Again, we have organized the visit of school groups at our Zoo on 30-1-2-2002 where 60 students participated from 15 schools around Agartala who were also supplied with the materials received from Zoo Outreach Organisation.

Submitted by Ajit Kumar Bhowmik, T.F.S, Director, Sepahijala Zoo, P.O. Bishalgarh Sepahijala, Tripura (West) 799 102

Bicycle Rally -- a good way to call attention to the need for kind treatment of all animals.

Participants of the Sepahijala Wildlife Sanctuary Animal Welfare Fortnightly Programme on wildlife trade play the t-shirt game described below.

How many kids . . .

Have you ever seen in the news or in a feature magazine a report of some college students performing a stunt to see how many can fit in a phone booth, a car, or some other container? This used to be a very popular event.

Zoo Outreach Organisation has created a similar stunt for our various educational programmes using an XXL t-shirt. This stunt was introduced first during the “Dare to Care for Bears” programme described elsewhere in this issue. Many of the programmes included this stunt which made for a charming photo op for ever hungry press reporters as well as a lot of laughs both for participating kids as well as observers.

The game is simple. An XXL t-shirt is provided and the target group is instructed to choose among them which kids will try to get in the t-shirt. Clever groups select the smallest kids. Instructions include caution so that no child smothers to death or gets trampled. If care is taken, holes can be cut in the body to accommodate small heads. For the “against Wildlife Trade” programme the theme was more than fun. The t-shirt had an illustration of monkeys in a small travelling cage on the front with text reading “Poachers pack us like sardines! How would you feel?"
INDIA

VOC PARK ZOO, KOVAI

“Against Wildlife Trade” day was celebrated at V.O.C. Park Zoo, Coimbatore, India on the occasion of Animal Welfare Fortnightly on 9.1.2002. Zoo (Three hundred) children from three private schools and one corporation school participated in the programme. Members of the Coimbatore District Forest and Environment Protection Society took part in the celebrations.

Educational materials featuring the theme “Against Wildlife Trade” supplied by the Zoo Outreach Organisation were handed out to the students. The students were taught about Wildlife Trade, how it affects bio-diversity, the ill-effects of it etc. by various lecturers. The District Forest Officer, Coimbatore circle made a brief visit and his inability to stay due to pressing work spoke volumes about the pressing nature of wildlife trade. Games and other activities were conducted with students participating with much enthusiasm and fun. A slide show was also arranged on different endangered species and how they are traded. The Press covered the event and officials were informed about the event.

Submitted by Dr. N.S. Manoharan, Veterinary Officer and Zoo Director, VOC Park Zoo, Coimbatore Corporation, Coimbatore

PATNA ZOO, PATNA, BIHAR, INDIA

The Sanjay Gandhi Biological Park, and the Society for Conservation of Flora and Fauna, Patna jointly organised a series of events to mark the Wildlife Week (2nd to 8th October), 2001

Painting Competition for School Students: About 800 students from 20 schools were categorised in four groups and given two themes (“Wildlife and Nature” and “Conservation of Wildlife”) for the painting. Six prizes were given in each group.

Photo-Exhibition and Slide Show was organised by the Museum of the Sanjay Gandhi Biological Park. These events were inaugurated by the Minister for Parliamentary Affairs and Primary Education and the Minister, Environment and Forests, Government of Bihar was also present on the occasion besides top forest officials, conservationists, and scientists. Photographs snapped by renowned Wildlife Photographers of the city were displayed in the exhibition. A “Video Film Show” on wildlife was also organised.

Street play “Janwar Aur Insaan” was staged in the park by artists of “Jagriti Manch” a cultural organisation based at Patna. The play based on issues of wildlife conservation and management of biological parks was widely acclaimed. These activities were followed by a Prize Distribution ceremony on 7th October 2001 which was attended by different officials of Forest Department, Authorities of the park, schools’ representatives and students. Press coverage of all events was good.

Submitted by Sri S.D. Singh, IFS, Director, Sanjay Gandhi Biological Park, Patna

ZOO OUTREACH ORGANISATION, COIMBATORE, TN, INDIA

Animal Welfare Fortnightly is celebrated in the last two weeks of January every year. We celebrated with 125 students of 12-13 years old at their school, the RVS Educational Trust. The theme for this year’s educational programme was “…Against Wildlife Trade”. Activities included but were not limited to those described here:

Song and puppet show -- The theme “…Against Wildlife Trade” was introduced with a song in the local language about a hunter who goes into the forest to hunt animals and eventually falls into the pit, which he himself had dug for an elephant. The animals feel sorry for the hunter and rescue him which causes him to become friends with animals and stops hunting. Various puppets such as the elephant, frog, wolf, spider and crocodile were used during this session.

Slide show -- A presentation on Wildlife Trade was given including information on various wildlife products in illegal trade in India and abroad.

Quiz and Painting competitions were held simultaneously with different groups participating. Quiz competition: Five groups of two students each participated in the quiz competition which included questions were on wildlife trade and general wildlife. Winners were chosen after four
rounds of questions. The quiz was organised like a television game show so that all participants, including the audience, enjoyed it. The Painting competition involved 21 students who were given three topics based on wildlife trade. They could choose any one of the topics. The students were very creative. They were given one and a half hours after which their drawing sheets were collected from them and the best three were evaluated and given prizes.

Games are always included in ZOO programmes as a way to provoke the most lively interest among children. Games included:

Web of Life game which showed that even if one entity were left out of the forest, the web of life would be upset; Oh Deer! showed that not all resources are available at an optimum level at the same time; Fish-a-fish is a game was about sustainable use of resources and the bad effects of overexploitation.

Education packets were distributed to all the students. The packets contained materials such as masks, pledge bands, stickers, a small booklet on trade with information and games, a board game on trade etc. Prizes of wildlife books were given to competition winners. The programme was a local version of the Zoo Outreach Organisation national activity to relate wildlife trade to wildlife welfare. UFAW sponsored the packets and Columbus Zoo the local arrangements.

LUCKNOW ZOOLOGICAL GARDEN, LUCKNOW, UTTAR PRADESH

“Nature Trail” Quiz concept works well in the Zoo

Generally people visit zoos for fun and enjoyment. In common language, it is a picnic spot; but as educationists, we are aware about the tremendous scope of educational opportunities in zoos. Children are a major part of the visitation to zoos and as children, they are particularly receptive to ideas and learning. Therefore a special emphasis of zoo education efforts must be targeted at children. Since the mood is that of fun and games, the challenge is to make our educational activities also fun.

Centre for Environment Education, India, has a Northern Regional Cell at Lucknow which experimented on this idea during the Wildlife Week events organized by Lucknow Zoo.

Lucknow Zoo CEE was to North to organize a quiz as one of the activities for Wildlife Week. This provided a good opportunity to develop some innovative quiz ideas and decided on a “nature trail” as the basis of the Zoo quiz.

The path for our “nature trail” began at the Zoo entrance, and included 7 enclosures, in which 4 were deer species (Blackbuck, Swamp Deer, Hog Deer and Spotted Deer), an elephant, Black Necked Stork and a Chimpanzee. All the enclosures had signage which could be referred by the students. A 30-question multiple choice format was prepared based on the trail: how many branches do the horns of swamp deer have? how much penalty you have to pay for carrying polythene inside the zoo? what was the former name of Lucknow Zoo? Salman Khan a film actor was in news for killing which wild animal? etc.

A column for feedback on the nature trail permitted students to share their experience about the trail.

On 5th October 2000, 15 schools and 220 students participated in the quiz. Students were very excited as we explained how to take the quiz. They had to observe the animal in the enclosure and also read the information on instruction boards and signages in the cages for 5 minutes per enclosure after which a quiz would be given based on what they saw in the trail. They should keenly observe the animals, enclosures and signage. They were permitted to take notes if they handed them in during the quiz. Then they were taken for the nature trail in batches, with their teacher in charge.

Special instructions were given some of which reflected the rules of the zoo, e.g. no noise during the trail, don’t disturb the animals, and observe everything around with the eye of a detective. A few volunteers from Lucknow University, M.Sc Environmental Sciences also went with each batch to help the teachers.

After the trail, the students were taken to a quiet place to fill up the questionnaires, which they did in record time. They all said they liked the quiz. The level of awareness among the students, which could be learned from their responses, was amazing. The feedback from the students fully supported our idea of using the Zoos as an educational tool and the technique of a “nature trail” as a format. A written comment selected from the many by the students expresses it all:

“I think this was an excellent opportunity for me to visit this nature trail, I have visited Zoo several times but never cared to read about the animals. This was a great chance for me, which gave me an opportunity to read about the amazing facts about these animals. I would be glad if I get another chance to visit Zoo with this nature trail experience. It was fun” Ms. Harpreet Dhami, 13 years, Class 8.

Thus, the “nature trail”, a made-up concept which involved no renovation or expense for the zoo or for us, has focused the attention of students in a better way and proved a valuable educational device. Submitted by Preeti Rawat Kanaujia, Programme Officer, Centre for Environment Education-North, Lucknow
MYSORE ZOO, MYSORE, KARNATAKA, INDIA
The Youth Club of Mysore Zoo --- Educating Youngsters to Educate Others

The Youth Club of Mysore Zoo (also known as the Chamarajendra Zoological Gardens) is a successful experiment in zoo-public interaction; the Club has been running for six years with an overwhelming response from Club members as well as those who associate and benefit from their activities. As Sri Kumar Pushkar, I.F.S., Executive Director of the Zoo Authority of Karnataka writes in the comprehensive Report on Youth Club Activities 2001 “no zoo is too small to serve as a learning centre.” He cites guidance through interpretive materials, a minimum re-orientation and exposure to expert teams to be the keys to forming this club and providing a core group of youngsters with an opportunity to enhance their awareness and store of knowledge on wildlife and environment.

It was decided to focus on students from 12 - 18, selected on the basis of parental response and a recommendation from the schools. The number is restricted due to limitations of space and resources at the zoo, not for want of willing candidates.

The objectives of the Club are:
1. to impart knowledge about the value and variety of wildlife as a national heritage as well as for preservation of ecological balance,
2. to serve the cause of wildlife by creating an interest in wildlife with exhibitions, seminars, etc.
3. to study the habits and behaviour of animals in near-natural surroundings as well as in zoo habitat, utilising the zoo as an institute of scientific study.
4. to encourage children to conduct study on problems of animals in captivity and to serve the zoo as a place of mutual understanding between man and animals.
5. to involve children in communicating with visitors to encourage them in appropriate behaviour towards the animals.
6. to prevent specific wrong actions towards animals by the public.
7. to develop a holistic approach towards animals by children, so that they will appreciate small and not so bright ones as well as the large, charismatic animals.

The Mysore zoo provides a variety of facilities and activities to the members of the Zoo Club, such as t-shirts, caps, I.D. cards and other useful materials. Members get free entry to the zoo and access to reference books in the Zoo Library. The zoo provides periodic theory classes as well as practical works in animal upkeep, feeding, breeding of wildlife and related research. Coaching in photography is provided and they get an opportunity to participate in various competitions. Members can opt to serve the zoo by having a presence near the entry gate to orient visitors, conducting rounds for visitors, working in the kitchen, generating data and helping in treatment of the animals as well as helping in conducting workshops, seminars, exhibitions, conferences. They learn interpretive techniques. They are taken on tours to Sanctuaries, Museums, etc.

The Club is very well organised. A press release is given to inform schools, parents and students about the Youth Club. There is a detailed Application form with a space for a photograph. The various achievements and aptitudes of the applicant are considered. Parents and the Head of the students school have to sign the form before membership is considered.

There are detailed Rules and Regulations which protect the animals and the reputation of the zoo as well as keeping the members out of danger. The prospective members must sign this document attesting that they agree to the rules before joining.

Youth Club Members help with zoo education and visitor behaviour. Thus they not only educate the public, they are themselves getting educated. Zoo Youth Club is an excellent tool for intensive and effective zoo education.

For samples of various documents such as the letter to parents and school, press release, rules and regulations, write to Sri Kumar Pushkar, Executive Director, Mysore Zoo, Zoo Road, Mysore, Karnataka.
India

DARE TO CARE FOR BEARS
All-India Asian Bear Education Programme for Wildlife Week, October 2001

India is unique as a country in having four species of bears. Bears are increasingly threatened in the wild by a variety of human caused threats – habitat destruction, development, and even killing or capture for selfish human pleasures. Bears are hunted for sport, for food, for medicine, and even for performance. Mendicants ply the trade on the road with their dancing bears, being pulled along with a painful ring in their nose and made to walk on hot pavement on tender feet? Performing bears often are taken when they are cubs which means killing the mother. There are many bad things happening to bears.

Zoo Outreach Organisation asked ourselves "What can we do?" The answer was clear: with the help of the International Bear Foundation IBF and Indian zoos and conservation organisations we could make people appreciate bears by conducting awareness campaigns – in zoos, or in nature centers, forest related centers, schools, etc. We could also try to improve our bear enclosures by providing zoos with information for enriching the environment and explaining to the public how this relates to the bear’s behaviour and needs. We could highlight bears during India’s most popular wildlife event, Wildlife Week by designing materials and activities for busy zoos, NGOs, Natural History museums and others to use in an organised programme for up to 200 people each.

The “Dare to Care for Bears” programme worked like any Zoo Outreach Organisation Education programme. We shortlisted zoos and other institutions and individuals and asked them to send us a short proposal for a programme or even more than one, involving a group of people (numbering from 25 – 100) involving kids from the age of about 8-12 years. It could be a school class, or an orphanage, or group of boy scouts, etc., or a combination of parents and their very young children perhaps. This was left up to the organiser.

The materials were free to groups organising a programme. They had to pay postage. They also had to complete a task for us. They had to send us a Report and photos of their programme, including any press reports.

Zoos were able to educate many more people than we were able to give Bear Bags. They ran programmes for kids to educate adults with drama, games and elocution. More than 14,000 people were involved in the end. Not bad for a small programme. Good for bears.
The Madras Crocodile Bank Trust, Mamallapuram, which is well known for its effective, innovative, indigenous, and low-cost educational signage and demonstrations hosted an Environmental Education workshop from 28 - 30 December 2001. Resource persons and collaborators were Meena Naresh, Ambika Aiyadurai, Santhosh from Centre for Environmental Education, Ahmedabad and Gowri Shankar and Zahida Whitaker from Madras Croc Bank.

CEE is known for its cutting edge educational and workshop techniques. For introductions, for example, each participant filled a form giving the usual information of name, etc. and also his favourite animal and bird. They did not introduce themselves, but gave the form to his neighbour who introduced him to the group!

Participants were encouraged to share their expectations of the programme, which were learning about:
1. New and appropriate methodologies in teaching
2. Developing visually effective materials for students
3. Networking
4. Education for zoo visitors
5. Reaching out to villagers
6. Funding agencies in India and abroad

Many, many features of Environmental Education were covered in the three short days. Environmental education (EE) was exhaustively defined, including definition of "environment" and of "education" and the combination. The objectives of EE as well as the skills required by EE’ers were explained in detail.

There was a presentation about CEE itself as well as other NGO’s and GO’s which conduct educational and other activities having to do with wildlife and environment in India. Mr. Gowri Shankar, Education Officer at MCB pointed out the potential role of volunteers in zoo education and suggested that zoos can create volunteers through their education programmes. Afterwards there was a group activity to practice designing an education programme for a full day for a designated target group. One group was given Wildlife week and the other World Wetland day as the occasion for their programme.

The Wildlife Week Group created a programme called “Snakesperience” with Snakes as a theme for 50-100 students from 10-12 years. They allocated a time budget for an Inauguration, an introduction, theme song, slide show, games, Lunch Break, Competitions and games, pledge session and valedictory.

The World Wetland day group described a programme for 30 kids of 10-12 years and planned a Field trip to Vedanthangal from 6-10am. The programme included breakfast and lunch, a “plant walk” focusing on wetlands plants, a water testing exercise, games and a talk on wetlands.

After the groups presented their programme ideas there was a discussion with participants contributing concerns about the programmes. The programmes should not be too long; outdoor activities should not be done in the hot part of the day; involve every child in to the programme, etc.

Other techniques were discussed in detail, such as using media, including developing a slide show, the use of posters, graphics, waysides and other printed materials. Approaches to EE are many. Some which which enumerated and demonstrated were: Games, Exhibitions, Performing arts, Classroom displays, Outdoor field trips, Exhibits, Creative expressions, Creative writing, Arts and craft

A very important aspect of any type of education is finding ways to incorporate it into the School Curriculum. Many schools have a unified curriculum which they are required to complete. Teachers are under pressure to cover all subjects in the curriculum, so if an organisation has a message to convey, it will be more welcome in the school system if it is consistent with and, in fact, a substitute for something in the text.
A nice group exercise was conducted relating to this: each of 2 groups had to go through a school science textbook and note down where Environmental Education could fit. They then made a table with a column each for information given in textbook, concepts missing from the textbook and activities to be added. They found that Interdependence (Web of Life) and Conservation by Zoos was missing in our textbook.

Networking -- Participants were asked to explain about the networking that was being done by their organisation, e.g. Arignar Anna Zoo, Madras Crocodile Bank, ITWWS (Irula Tribals Womens Welfare Society) and Zoo Outreach Organisation.

Plan of Action -- Each group was asked to present a plan of action on education programmes for a whole year, inclusive of all that they had learnt from the course. The group from ZOO planned to conduct programmes according to national or world special days, e.g. Animal Welfare Fortnightly, World Forestry Day, World Environment Day and Wildlife Week.

Details of the number and age of children, Funding, Dates of designing, packing and dispatching materials, collecting and publishing reports, evaluation etc. had to be included.

**Summing up**
The whole programme was reviewed with what our initial expectations of the course was and how much it matched with what we learnt at the end of the course.

An evaluation questionnaire was provided for rating presentations and activities given by the resource persons.

Ms. Zahida Whitakar gave conclusive speech on how we should make use of the course and educate more and more people effectively. The course closed with certificate distribution and vote of thanks.

**Binu Arthur, Padma Priya, Sonali Lahiri, Sheela Joseph**

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### About CEE
CEE was started in 1984 as a Centre for Excellence, fully supported by the Ministry of Environment and Forests. Its areas of concentration are: - Public awareness on environmental issues and wise use of natural resources; Environmental education for schools, youth and colleges, decision makers through mass media; Natural resource management in rural areas

**Thrust areas are**

1. Environmental education in the urban context
2. Training, both short term (TALEEM) for 5 days, and long term (International course for South east and south Asia with IUCN and UNEP for 3 months) and TEE an 8 month in house course for Post Graduate students
3. Experiencing nature
4. Interpretation of natural and cultural heritage
5. Networking

CEE conducts many activities for schools, such as teachers training, provision of educational material, development of EE by various groups, follow-up and monitoring of EE programmes and support of non-formal environmental education, such as Eco-clubs.

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### What is environmental education?
In the first session the meaning of environmental education was discussed in detail:

**Environment is:**

Surroundings  
Manmade and natural  
People and communities  
Plants and animals  
Weather  
Earth

**Education is:**

A process of learning  
Increasing knowledge  
Learn about a specific subject  
Awareness  
Changing attitude  
Developing skills of communication  
Sensitivity  
Path of learning

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### Overall EE is:

**Learning from the environment**  
**Learning about the environment**  
**Learning for the environment**

Environmental education is about understanding interdependence of all life, sustainable development, use of nature and natural resources. It gives scope for developing individual skills.

**Objectives of environmental education:**

1. Skills to solve problems  
2. Evaluate  
3. Find solutions to problems

**Environmental Educators should be:**

1. Multidisciplinary  
2. Dynamic  
3. Scientific, social, economic and technical  
4. Practical activities and real life experiences in environmental education

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**Mammals of India**

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Report submitted by Annette Berkovits, IZE President, Senior Vice President – Education, Wildlife Conservation Society

The International Zoo Educators Association, formed in 1972, continued to grow and evolve with the needs of the entire zoological community. The organization currently has 352 members representing 60 countries. Increased emphasis on accelerating conservation education and infusing it throughout the multitude of zoo programs, were the prevailing themes over the last year. The association’s board itself took steps to strengthen IZE’s commitment to conservation education at its biennial meeting held in Guadalajara, Mexico in October 2000. 183 members from 26 countries attended the conference.

In addition to electing Annette Berkovits, from the Wildlife Conservation Society in New York, as the new president, the following new board members were added:

Romana Anderova, Prague Zoo – Secretary
Kris Struyf, Zwln Nature Reserve, Regional Representative – Europe & Middle East
Barbara Revard, Columbus Zoological Gardens, Regional Representative – North America
Keven Tanner, Underwater World, Regional Representative – Australia & New Zealand
Daniel Hughes, Melbourne Zoo, Regional Editor for Australia & New Zealand

In the course of the year Sally Walker from the Zoo Outreach Organisation in India replaced Ang Phuri Sherpa of the Nepal Zoo as the Asian representative. Francis Maina of the William Holden Wildlife Foundation, Kenya, replaced Peter Micheni as the African regional representative to IZE.

At its meeting, board members from ten countries made the following major decisions:

– To update the World Zoo Conservation Strategy Education chapter to more accurately reflect modern trends in zoo education.

– To strengthen the organization’s mission statement.

– To develop a web site as a tool for communication.

– To seek ways to fundraise for support of colleagues from developing countries.

Almost immediately after the Guadalajara conference, a re-edited chapter of the WZO Education chapter was circulated to IZE board members for comment. The re-edited draft has been submitted to Lars Andersen. Some of the changes included statements that education should be available and use appropriate means of communication for every category of zoo visitor: adults, children, families, literate and non-literate people. To maximize their impact, zoo educators should place high priority on providing training programs and materials to “multipliers” such as teachers, and community leaders. Because the time factor is critical for conservation education, educators should strive not to “reinvent the wheel” but share and collaborate to maximize their global impact. In situ conservation education was also addressed in the revised chapter, as was evaluation of exhibits, programs and materials. Construction of an IZE web site was initiated by IZE president, Berkovits in the late fall of 2000. Based on input solicited at the Guadalajara Conference from association members and the Board, a variety of web site sections were developed: officers, regional updates, membership and conference information. Most importantly, members can now access the IZE Journal through the site, reducing costs and increasing speed of information delivery.

By early spring 2001 all members were notified of the web site address (www.izea.net) and encouraged to use it. Not only has the site been a boon for member communication, it has become a resource for contact with the world-at-large. Individuals interested in the work of zoos have been sending varied inquiries and comments. Since inception there have been nearly 70,000 hits from users in 28 countries on the site.

Since involvement of zoo education colleagues from developing regions of Africa, Asia and Latin America is high on the IZE Board’s agenda, various efforts were undertaken to facilitate such involvement. Chris Peters, Head of Education at the Rotterdam Zoo in Holland, had undertaken to produce a fundraising brochure that would seek support for membership and biennial conference attendance for zoo education leaders from the developing world. In conjunction with the development of this brochure, the mission statement of IZE was reviewed. The Board unanimously agreed to adopt the following wording:

“IZE is an association dedicated to expanding the educational impact of zoos and aquariums world-wide. Its dual mission is to improve the education programs in the facilities of its members and to provide access to the latest thinking, techniques, and information in conservation education. IZE facilitates communication and professional development among zoo/aquarium educators and supports liaison with related organizations such as WAZA (The World Association of Zoos and Aquariums) and CBSG (Conservation Breeding Specialist Group).”

To increase IZE membership in general and to fundraise, a new institutional membership category was developed. A fee of five hundred U.S. dollars will automatically support four members of an institution’s staff as full professional members of IZE, with a portion of the fee supporting conservation education in situ. The IZE Board expressed hope that zoo directors throughout the world would find this new membership category of high value for their staff and their mission, and support it actively.
In line with its mission to provide professional development for its members, IZE was extremely active over the last year in providing and supporting training for educators in much of the world. In the Asian region ARNIZE, the Asian regional network of zoo educators, conducted three major training activities.

In August 2000 a workshop was held in Nepal. In March 2001 a workshop was held in Singapore, supported by the Ministry of Foreign Affairs. The large number of science, nature and wild animal facilities in the region made it an excellent site. Its success was followed by a workshop in Indonesia in July 2001 hosted by the Gembira Loka Zoo in Yogjakarta. Fourteen zoos throughout Indonesia, including participants from Sumatra, Java and Bali were represented at this workshop. Like the two workshops before, it included wide ranging content on conservation biology, methodology for teaching the public, signage and labelling, visitor behavior and program marketing.

The Board of IZE approved a grant of $1,000 to support the production of a zoo education book, based on the work of Southeast Asian zoo educators. The book will be ready this fall. In total, forty new members from 9 countries joined ARNIZE over the last year. Their regional communication was supported by an excellent newsletter published by the Zoo Outreach Organisation based in Coimbatore, India.

AZOREN, the African Zoo and Reserve Educators Network, the African branch of IZE, launched in Pretoria in May 2000, supported a conference and training congress in September 2001 at the foothills of Mt. Kenya. The congress was attended by more than 30 representatives of environmental organizations in 10 countries. The presentations covered a wide range of topics, including partnerships between environmental educators and schools and the bushmeat crisis. Participants enjoyed in-depth looks at the environmental education programs from a diversity of organizations and institutions, such as the Wildlife Clubs of Uganda, Munda Wanga zoo in Zambia, the Nairobi Safari Walk, the Okapi Wildlife Reserve, and many more.

Field trips to the William Holden Wildlife Education Centre and Sweetwaters Game Reserve allowed delegates a glimpse of Kenya’s spectacular wildlife and a view of how the local environment is being used to motivate and teach Kenyan children as well as foreign tourists. The Wildlife Conservation Society in New York provided training support for the AZOREN conference and sponsored a Ugandan participant. The Vienna Zoo also provided support for the educational work of AZOREN and ARNIZE. In the spring of 2001 a committee that includes European educators from zoos in: the United Kingdom (Chester, Colchester), Vienna, Prague, Rotterdam, Copenhagen, Cologne, the Givskud Zoo in Denmark, and the Zwin Nature Reserve was formed to enhance the support for African and Asian colleagues.

Zoo education colleagues in Europe continued to meet actively in conjunction with EAZA. The EAZA exhibit design and education committee worked out an action plan that included an education survey and education standards. A great deal of attention was paid to rainforest and bushmeat campaigns.

In the German speaking countries many educational workshops were offered and included educators from allied institutions including aquariums, national parks and reserves, museums, and WWF. Close cooperation between zoos and nature parks around the world was a major area of discussion.

The Latin American region, IZE Representative Yolanda Matamoros, Director of Amazoo-Fundazoo, reported that a zoo education conference and training workshop will be scheduled in 2002.

The Australian region also continued to be a vital force in conservation education. Australian zoo and aquarium education departments are reaching diverse audiences through on-site programming, community outreach and computer aided zoo education. Conferences and collaborative projects involving schools, colleges, other zoos and aquariums, and industry are bringing people together.

New technologies helped educators address broad range of topics. For example, an interactive online program that provides people with information about the floral and faunal emblems of Australia’s states and territories was developed in recognition of the Centenary of Australian Federation. An innovative partnership between zoos, aquariums and education departments across Australia and the Australian Stock Exchange created curriculum-based resources focusing on Australian frogs. A CD-ROM, which complements the web site, will be delivered free to every school in Australia.

Forty Australian Region educators met at the Adelaide Zoo in late August 2001 to finalize a regional education policy. The policy has been developed out of the Environment Australia, Environmental Education National Action Plan, July 2000. The document will contain a range of useful material such as exemplar programs, principles of interpretation and minimum standards for effective education. Environmental educators from around the world came together for the biennial conference of the Australian Association for Environmental Education in January.

The North American region too, was home to tremendous activity in zoo education. Well over 12 million people participated in education programs presented by accredited zoos and aquariums in this region. The Conservation Education Committee of AZA has been extremely active in all facets of the zoo field. Over the last year, three action groups have been formed to immerse zoo educators more deeply in interpretive activities. These include a Graphics Action Group to improve the effectiveness of interpretive messages, a Children’s Zoo Interest Group which focuses on animal contact areas, and a Librarian’s Interest Group which works to improve access to special collections and resources.

The Conservation Education Course, offered by American Zoo & Aquarium Association on an annual basis, has been
fully developed, as was a strategic plan. A Conservation Education Resource Guide, which features much of AZA’s team work and individual activities in education, has been produced and is available from the AZA. In the past year the Conservation Education Committee spearheaded an important exercise in writing acceptable conservation messages to be included as part of education programs. Work on animal handling guidelines to improve the use of live animals in education programs is currently underway.

Another exciting zoo education initiative in North America is a multi-institutional research project, which will help zoos and aquariums to measure the impact of facilities on their guests. Like its European counterparts, the AZA Conservation Education Committee members have joined with the Bush Meat Crisis Task Force to develop educational materials. The Wildlife Conservation Society in New York, one of the leaders from the North American region in extensive work with colleagues from the developing world, continued its work with hundreds of educators throughout China and Papua New Guinea.

Despite much work accomplished, IZE has set for itself an ambitious action agenda for next year. Fundraising to support zoo and reserve educators from the developing world will continue. Shortly, all WAZA members will receive a newsletter that includes a message from the IZE President urging enrollment of their institution to support the conservation education mission and outreach of IZE. The Statutes of IZE, a document drafted nearly three decades ago, and modified only modestly until now, will undergo a substantial revision in the next year to meet the evolving needs of the field and of IZE itself. The web site will continue to be updated and provide more resources for its members including model lesson plans and archived journals.

A set of guidelines for the conduct of IZE conferences and for high quality presentations is under development and will be approved by the board at the Vienna conference in 2002. These guidelines will help in enhancing the value of the highly popular IZE biennial conferences.

Finally, a great deal of work has been invested by Gaby Schwammer of the Vienna Zoo in laying the groundwork for the IZE biennial conference in August 2002. As has become the practice, this conference will coincide with the WAZA and CBSG conferences to give zoo educators worldwide both an incentive and an opportunity for greater professional involvement.

We hope that as zoo directors, you will actively encourage your educators and others in your institution who are indirectly involved with education to attend the IZE Vienna conference. Hopefully you, as directors, will also take part and provide both leadership and inspiration because you believe that education is an essential part of your institutional mission.

The IZE Trust Fund

The IZE Trust Fund was set up to help IZE carry out its international mission of promoting zoo education throughout the world. The IZE Mission statement reads:

IZE is an association dedicated to expanding the educational impact of zoos and aquariums worldwide. Its dual mission is to improve the education programs in the facilities of its members and to provide access to the latest thinking, techniques, and information in conservation education. IZE facilitates communication and professional development among zoo/aquarium educators and supports liaison with organizations such as WAZA (the World Association of Zoos and Aquariums) and CBSG (Conservation Breeding Specialist Group).

IZE has developed an attractive brochure to help with fundraising for various projects, among the next IZE Conference of 2002, which will be held at Schoenbrunn Zoo, Future-Oriented Cultural Heritage of the World.

Schoenbrunn Zoo is the world’s oldest and only baroque zoo but today it is also among the most modern zoos with respect to animal keeping and research. The Zoo was the private menagerie of Emperor Franz Stephan von and was opened in the summer of 1752.

Schoenbrunn Zoo focuses on critical issues of environmental protection by conservation, education and research. The Schoenbrunn’s educational task is to help people get a better insight into the world of animals and plants, their habitats and their ecological aspects. The Schoenbrunn Zoo has committed assistance for a number of IZE participants from low-currency countries to attend the 2002 meeting by subsidizing accomodation and registration. The IZE Trust Fund is raising funds for airfares to this important meeting as well as other projects.
Letter from Lars Luding Anderson, former IZE President

Dear Zoo Educator

For years we have been discussing how the cooperation between zoo educators and rangers working in the field could not strengthened. Now 10 years beyond Rio there is a great opportunity to meet with fellow professionals from the International Ranger Federation, the Heritage Interpretation International and other colleagues at the World Conference taking place 9-13 September 2002 in Elsinore, Denmark.

entitled:

“Nature Interpretation as a Tool in Promoting Sustainable Development”

The Conference is organised by the Danish Forest and Nature Agency under the Ministry of Environment and the Danish Outdoor Council.

The aims of the Conference are:

-- to share the knowledge and experience of using Nature Interpretation as a tool in promoting sustainable development.

-- for the participants to produce a “Code of Conduct” for Nature Interpretation as a tool for promoting sustainable development.

-- to present examples of “best practice” and guidelines for Nature Interpretation in the form of a handbook.

-- As chairman of the conferences’ “Contents Group” it is a pleasure for me to invite you to participate in this international event. I surely believe that both zoo educators and rangers could benefit a lot by inspiring each other and by working more closely together in the future.

Lars Lunding Andersen
Managing director of Copenhagen Zoo
Chairman of EAZA’s and WAZA’s Education Committees
Copenhagen Zoo
Sdr. Fasanvej 79
DK 2000 Frederiksberg
Denmark
Letter from the President of IZE, Dr. Annette Berkowitz

16th IZE
INTERNATIONAL ZOO EDUCATORS CONFERENCE
17 - 22 Aug. 2002 -- VIENNA - AUSTRIA

Dear Zoo and Aquarium Colleagues!

As you know, we have a unique opportunity to meet every other year to share ideas about conservation education, discuss challenges, expand our professional horizons, and make decisions about the course of conduct for our association. The next IZE biennial conference in Vienna is scheduled for August 17th - 22th, 2002. Gaby Schwammer and her staff have worked for more than two years making plans for us to have the most productive and exciting experience possible. I hope that the events of September 11the will not discourage you from making travel plans to Vienna.

Of course, we are all affected by the consequences of the dreadful terrorist attack, but if we abandon our plans and shrink our professional horizons we will be giving the terrorists a measure of success. With multi-national collaboration so much more attention is being paid to air travel safety. We in the U.S. who were one of the most directly affected, believe that we must get on with our lives. Certainly, a year from now the prospects for security should be even better.

I strongly urge you to start making travel plans for the Vienna Conference. I know you will have an extremely rewarding personal and professional experience. Your presence at the conference will be a symbol of faith in our collective future.

Please consult the IZE web site at www.izea.net for complete conference information and updates. Shortly you will be asked to vote for IZE Board members and to submit your proposals for conference presentations. The entire IZE Board invites you to participate actively in the affairs of the association.

With best wishes,

Annette Berkovits
IZE President
Sr. Vice President-Education
Wildlife Conservation Society
Bronx, New York
International Zoo Educators Conference
Sponsorship Application

The International Zoo Educators Association (IZE) is a professional organization dedicated to expanding the educational impact on zoos and aquariums worldwide. Its dual mission is to improve the education programs in the facilities of its members and to provide access to the latest thinking, techniques, and information in conservation education. IZE has members from more than 50 countries around the world who are interested in communicating and cooperating within our field of zoo and aquarium education and with other conservation professionals. The Schoenbrunn Zoo in Vienna will host the 16th biennial IZE Conference from August 17 – 22, 2002. The conference theme is “From Menageries to Conservation Centres.” A limited number of professional development grants to attend this year’s conference is available. Each conference sponsorship includes support for conference registration, airfare, accommodation and some meals.

As a condition of acceptance, each sponsored educator will be required to present a high quality 20-minute paper or 2-hour workshop strongly tied to the conference theme. An abstract and an outline of the paper or workshop must be approved in advance by the IZE Regional Representative in consultation with the IZE President. The complete and final text of the paper must be submitted prior to the disbursement of any funds. In addition to the conference presentation, educators will be required to write an article for the IZE journal and must agree to do so in writing.

Application for Conference Sponsorship

Family name _________________________ First name _________________________________
Position ____________________________ Institution _________________________________
Mailing address ________________________________________________________________
City__________________________ Country_____________________ Zip code ____________
Telephone _______________________________ Fax  _________________________________
e-mail ________________________________________________________________________

1) How long have you been working in your current job?
2) What are your job responsibilities?
3) Why do you want to attend the conference?
4) The language of the conference will be English. Please rate your working knowledge of
   a) spoken English:  ____ fair  ____ good  ____ excellent
   b) written English:  ____ fair  ____ good  ____ excellent
5) Do you have all the required travel documents (passport, visa, etc.)?  ____ Yes  ____ No
   If No, how much time do you need in order to obtain them?   _______________________
6) Below, give the title of the paper or workshop you plan to submit for approval and a brief description

I have understood and agree to comply with the conditions of the sponsorship.

Signature: _________________________________________ Date: ______________________

Send your completed application form, a current resume or CV, and a letter of support from the director of your institution to your IZE Regional Representative by February 28, 2002.
For more information, contact your Regional Representative. For an updated list of Regional Representatives and information about IZE, please visit www.izea.net. For conference details, see www.zoovienna.at.

Xerox, fill out and post to your Regional Rep:
Sally Walker, ARNIZE
c/o Zoo Outreach Org
POB 1683, Peelamedu
Coimbatore, 641 004 TN
India
FAX 91 422 563 269
Email: <zooreach@vsnl.com>

(covers this up first)
ARNIZE Membership Form and Questionnaire

Xerox, Fill and Return to IZE Regional Rep for Asia
Sally Walker, ZOO / ARNIZE, 29 1st X, Bharati Colony,
Peelamedu, Coimbatore 641 004 India
or retype and email to <zooreach@vsnl.com>

Name: ____________________________________________

Designation: _______________________________________

Postal address: ______________________________________

Name and address of your zoo or organisation:
____________________________________________________________________________________________________
____________________________________________________________________________________________________
____________________________________________________________________________________________________

Fax: _______________________________________________

Email: ______________________________________________

Your story -- what you do at your zoo :
____________________________________________________________________________________________________
____________________________________________________________________________________________________
____________________________________________________________________________________________________

ARIZNE is the regional arm of the International Zoo Educator Association. The ARNIZE Newsletter is
twice yearly by the Asian Regional Network of International Zoo Educators (ARNIZE) in collaboration with Zoo Outreach Organisation. Zoo Outreach Organisation hosts the network of Asian zoo educators.

There is no fee membership in ARNIZE or for the newsletter which is sent free to all Asian Zoos and selected individuals, organisations and institutions involved with zoo education.

To get on the network, write us a letter and tell what you do. Include your email address and your website if you have one along with your mailing address.

Write to : ARNIZE c/o ZOO,
Box 1683, Peelamedu,
Coimbatore 641 004 TN India
email zooreach@vsnl.com
Website www.zooreach.org

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