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Elephant Workshops and Symposium

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ELEPHANT WORKSHOPS AND SYMPOSIUM

Annual Elephant Workshops

Individuals and representatives of institutions involved with elephants in North America have rallied together to develop an annual meeting devoted to discussion of common interests in captive elephant management. The first four elephant workshops were supported by zoo organizations mainly and tended to be dominated by zoo representatives and private owners in order to bring their expertise and experiences to bear on problems. An effort has been made since 1983 to include a wider range of elephant handlers and to coordinate management techniques. It is hoped that the combined energies of all those who have initiated this enterprise will bring to fruition the goals of this loose organization of individuals devoted to the well being of elephants in captivity. A brief report on the first Elephant Workshop appeared in Elephant, 1(4):183-185, and an outline of the second Elephant Workshop was included in Elephant, 2(1):156-157. Following are the reports on the Third, Fourth, Fifth, Sixth and Seventh Elephant Workshops which convey the level of concern and the breadth of these sessions.

THIRD ANNUAL ELEPHANT SEMINAR DICKERSON PARK ZOO, SPRINGFIELD, MISSOURI USA by Jeff Glazier

The Third Annual Elephant Seminar was held at Dickerson Park Zoo in Springfield, Missouri, on October 8, 9, and 10, 1982. Attendance was much greater than expected with zoos, circuses, animal parks, private animal trainers and one university being represented. A total of 162 participants attended, representing 76 institutions from 24 states, plus Washington, D.C., and Canada.

The seminar was hosted by the Springfield Park Board, Dickerson Park Zoo, Friends of the Zoo (FOZ), Zoo Docents, and the local AAZK Chapter. The host committee consisted of Mike Crocker, senior keeper; Jeff Glazier, assistant senior keeper; Paul Price, zoological curator; Stephaie Rutan, commissary keeper; Terry Letterman, zookeeper; Dale Tuttle, zoo director; Mildred Hager and Blanche Jones, zoo secretaries; and Judy Tuttle, FOZ business manager. Papers and demonstrations were given at the Hilton Inn of the Ozarks and Dickerson Park Zoo.

Speakers and subjects on the program were as follows:

FRIDAY, OCTOBER 8, 1982

7:30 - 10:00 p.m. Ice Breaker at Hilton Inn Pool Side

SATURDAY, OCTOBER 9, 1982

9:00 a.m. Opening Remarks by Dale Tuttle, Zoo Director, Dickerson Park Zoo, Springfield, Missouri

9:10 a.m. "What Does the HSUS Know About Elephants?" by Jeanne Roush, Assistant to the Director, The Humane Society of the United States, Washington, D.C.

- 9:20 a.m. "Management of Bull Asian Elephants at the Washington Park Zoo" by Jay Haight, Asian Elephant Keeper, Washington Park Zoo, Portland, Oregon
- 9:40 a.m. "Building a Safe, Long-term Elephant Breeding Facility at the Calgary Zoo" by John Lehnhardt, Elephant Trainer, Calgary Zoo, Calgary, Alberta, Canada
- 10:00 a.m. "Elephant Dialogue" by Patricia Wiard, Keeper, Lincoln Park Zoo, Chicago, Illinois
- 10:20 a.m. "A Management-Maintenance Program for Older Elephants in Milwaukee" by Roger Martens, Keeper, Milwaukee Zoo, Milwaukee, Wisconsin
- 10:40 a.m. "A Broken Jaw on an African Elephant" by Gerald (Red) Thomas, Senior Animal Trainer, San Diego Zoo, San Diego, California
- 11:00 a.m. "Osteomyelitis and Pododermatitis in a 15-Year-Old Female Asian Elephant" by Bill Neville, Owner, Pachy Enterprises, Inc., Denver Colorado
- 11:20 a.m. "Foot/Skin Care at the Sedgwick County Zoo" by Terry Lincoln, Keeper, Sedgwick County Zoo, Wichita, Kansas
- 11:40 a.m. "Foot Care and Maintenance at Dickerson Park Zoo" by Terry Letterman, Keeper, Dickerson Park Zoo, Springfield, Missouri
- 12:30 - 1:30 p.m. Lunch at Dickerson Park Zoo, hosted by Friends of the Zoo Docents
- 1:30 - 4:30 p.m. Elephant Workout, Harness and Foot Care Dens in the Elephant Yard
- 6:30 - 10:00 p.m. Pig Roast at Dickerson Park Zoo

SUNDAY, OCTOBER 10, 1982

- 9:00 a.m. "Birth and Development of a Male Asian Elephant" by Jean Hromadka, Elephant Keeper, Miami Metrozoo, Miami, Florida
- 9:40 a.m. "Heat Cycle Determination by Blood Sample Analysis" by Thomas Rainey, D.V.M., Dickerson Park Zoo, Springfield, Missouri
- 10:00 a.m. "Elephant Training at Dickerson Park Zoo" by Paul Price, Zoological Curator, Dickerson Park Zoo, Springfield, Missouri
- 10:20 a.m. "Accident Review Procedures at the Kansas City Zoo" by Ernest Galbraith, Animal Technician, Kansas City Zoo, Kansas City, Missouri
- 10:40 a.m. "Baby African Elephants at Audubon Park Zoo" by Frank Murray, Elephant Handler, Elephant Walk, Inc., Audubon Park Zoo, New Orleans, Louisiana
- 11:00 a.m. "Rear Leg Problem in an African Elephant at the Indianapolis Zoo" by Rise Dmytriw, Lead Elephant Keeper, Indianapolis Zoo, Indianapolis, Indiana
- 11:20 a.m. "Captive Elephant Management Program Survey" by Larry Nunley, Large Mammal Supervisor, Tulsa Zoological Park, Tulsa, Oklahoma

- 11:40 a.m. "The Elephant Management Program at Woodland Park Zoo" by Ellen Leach, Elephant Keeper, Woodland Park Zoo, Seattle, Washington
- 12:00 - 1:30 p.m. Lunch at the Hilton Inn, hosted by the Dickerson Park Zoo AAZK Chapter
- 1:30 - 4:30 p.m. Panel Discussions:
1. Elephant Care and Management - Chaired by Larry Nunley, Tulsa Zoo. Panelists: Frank Murray Elephant Walk, Inc./Audubon Park Zoo; Smokey Jones, Elephant Trainer; Don Meyer, Jo-Don Farms; Ellen Leach, Woodland Park Zoo
 2. Captive Breeding - Chaired by Bruce Read, St. Louis Zoo. Panelists: Larry Joyner, Bronx Zoo; John Lehnhardt, Calgary Zoo; Jean Hromadka, Miami Metrozoo; Jay Haight, Washington Park Zoo; Brad Booth, Columbus Zoo; David Michel, Knoxville Zoo

A vote taken among the participants elected Kansas City, Missouri, as the site for the Fourth Annual Elephant Workshop to be held in the fall of 1983.

**FOURTH ANNUAL ELEPHANT WORKSHOP
KANSAS CITY ZOO, KANSAS CITY, MISSOURI USA
by Sandra Lash**

The Fourth Annual Elephant Workshop was sponsored by the Kansas City Zoo and held at Adam's Mark Hotel, Kansas City Missouri, on October 14-16, 1983. A total of 168 participants attended, representing 66 institutions from 24 states plus Washington, D.C., and Canada.

The workshop was hosted by the Parks and Recreation Department, Kansas City, Missouri; The Friends of the Kansas City Zoo, Inc.; The Kansas City Zoo Docent Council; and International Animal Exchange. The planning committee consisted of Mike Blakely, Ernie Galbraith, Terry Elder, Dee Wolfe, Bob Thornton, and Susan Frick.

The program was as follows:

FRIDAY, OCTOBER 14, 1983

7:30 - 9:30 p.m. Ice Breaker, Adam's Mark Hotel

SATURDAY, OCTOBER 15, 1983

- 8:30 - 8:45 a.m. Welcome, Opening remarks, by Ernest Hagler, Director, Kansas City Zoo, Kansas City, Missouri
- 8:45 - 9:30 a.m. "Elephant Interest Group - history, activities and future plans" by Sandra S. Lash, Elephant Interest Group, Wayne State University, Detroit, Michigan
- 9:30 - 10:00 a.m. "Situations The Humane Society of the United States is called upon to address regarding captive elephants" by Jeanne Roush, Assistant to the Director, The Humane Society of the United States, Washington, D.C.
- 10:00 - 10:30 a.m. Coffee break
- 10:30 - 11:00 a.m. "Elephants and architects" by Jim Ireland, Architect, Kansas City, Missouri

- 11:00 - 11:30 a.m. "Revenue producing with elephant ride concession" by Thom Bear, Manager Kansas City Zoo Special Services, Kansas City, Missouri
- 11:30 - 12:30 p.m. "Capturing elephants in Africa" - film by Jack Adams, Director, Center for the Study of Elephants, Carson, California
- 12:00 - 1:00 p.m. Lunch - Sack lunch picked up at buses and eaten on tour of Zoo
- 1:00 - 5:00 p.m. Tour of the Kansas City Zoo
- 1:30 p.m. Elephant routine
- 2:00 p.m. Dedication of Casey's Place, newly renovated elephant facilities
- 5:00 - 6:30 p.m. Dinner at the African Veldt at the Kansas City Zoo
- 7:00 - 9:00 p.m. Panel: Elephant Management Committee: as an effective management tool. Moderator: Paul Price, Zoological Curator, Dickerson Park Zoo, Springfield, Missouri
- 9:00 - 11:00 p.m. Hospitality Suite, Adam's Mark Hotel

SUNDAY, OCTOBER 16, 1983

- 8:00 - 8:25 a.m. "Creating an environment for the captive elephant" by Joanie Stinson, Phoenix Zoo, Phoenix, Arizona
- 8:30 - 8:55 a.m. "Training and management of African elephants at The Oakland Zoo" by Tony Sharp, Oakland Zoo, Oakland, California
- 9:00 - 9:25 a.m. "After the attack; safe handling of the victim until the ambulance arrives" by Ron Kaufman, Topeka Zoo, Topeka, Kansas
- 9:30 - 9:55 a.m. "Elephants of the Fresno Zoo" by Paul Barkman, Roeding Park Zoo, Fresno, California
- 10:00 - 10:30 a.m. Coffee break
- 10:30 - 11:00 a.m. "Management of Elephas maximus at the Bronx Zoo's Wild Asia Exhibit" by Pat Thomas and Jim McIntyre, Bronx Zoo, New York
- 11:05 - 11:30 a.m. "Diet digestibilities and ingesta transit times of captive Asian and African elephants" by Michael Hackenburger, African Lion Safari, Cambridge, Ontario, Canada
- 11:35 - 12:00 noon zoos - 1983" by Susan Fraser, Texas A&M University, College Station, Texas
- 12:00 - 1:30 p.m. Lunch - Adam's Mark Hotel
- 1:35 - 2:05 p.m. "Moving African elephants to the Veldt, Kansas City Zoo" by Gary Clark, Topeka Zoo, Topeka, Kansas
- 2:10 - 2:25 p.m. "Vaginal lesions in a mixed elephant herd" by Ellen Leach, Woodland Park Zoo, Seattle, Washington
- 2:30 - 2:50 p.m. "Rehabilitation of an emaciated elephant" by James Sanford, Kansas City Zoo, Kansas City Missouri
- 2:55 - 3:20 p.m. "Renovation of the Kansas City Zoo elephant House" by Melissa Svoboda, Kansas City Zoo, Kansas City, Missouri
- 3:30 - 4:00 p.m. "Panel discussion: future workshops" moderated by Dale Tuttle, Dickerson Park Zoo, Springfield, Missouri

FIFTH ANNUAL ELEPHANT WORKSHOP
AUDUBON PARK AND ZOOLOGICAL GARDEN, NEW ORLEANS, LOUISIANA USA
 by Sandra Lash Shoshani

The Fifth Annual Elephant Workshop was hosted by Audubon Park and Zoological Garden from November 29 through December 1, 1984, in New Orleans, Louisiana. Sessions were held at the Sheraton Inn - New Orleans International Airport. A total of 152 participants from 70 institutions representing two countries, twenty states, and the District of Columbia attended. Papers were presented in four sessions: Management, Veterinary Medicine, Birth and Keeper Training and Safety. There were also three panel discussions which evoked considerable comment for future consideration.

Sponsors for this workshop were the Audubon Park and Zoological Garden and the Friends of the Zoo. The planning committee consisted of David Anderson, Sam Winslow, Jeffery C. Swift, Carol Sullivan, Frank Murray, Nancy O'Connell, and Nonnie DeBardeleben. The program was as follows:

THURSDAY, NOVEMBER 29, 1984

7:00 - 9:00 p.m. Ice Breaker at Sheraton Inn

FRIDAY, NOVEMBER 30, 1984

8:30 a.m. Opening of Conference
 9:00 - 11:00 a.m. Management Session
 "Uchaining the elephants at the Calgary Zoo" by John Lehnhardt, Calgary Zoo, Calgary, Canada
 "The care and handling of elephants at the Greater Baton Rouge Zoo" by Allen Campbell, Greater Baton Rouge Zoo, Baton Rouge, Louisiana
 "Santa Barbara Zoo elephant activities" by Peter Grim, Santa Barbara Zoo, Santa Barbara, California
 "Daily training of African elephants at Chehaw Wild Animal Park" by Eddie Holsey, Chehaw Wild Animal Park, Albany, Georgia
 11:00 a.m. Coffee Break
 11:15 - 12:30 a.m. Veterinary Medicine Session
 "The management of tusk pulp canal infection in an African elephant" by Jeffery Wyatt, DVM, University of Rochester Medical Center, Rochester, New York
 "Tranquilization and immobilization of African elephants: A review" by Elliot Jacobson, DVM, University of Florida, Gainesville, Florida
 "Wild Animal Park's new facility (October 1984)" by Jean Hrodmake, San Diego Wild Animal Park, San Diego, California
 12:30 p.m. Coffee Break
 2:00 - 3:30 p.m. Birth Session
 "Births of two Asian elephants at Houston Zoological Gardens" by Lucille Sweeney, Houston Zoological Gardens, Houston, Texas

- "Births, bulls, and other bits of data about the Asian elephant in North America" by Alan Rost, Dickerson Park Zoo, Springfield, Missouri
- "Jumbolair ... The birth of a new African elephant research facility" by Randall Moore, Nautilus Industries, Inc., Ocala, Florida
- 3:30 p.m. Coffee Break
- 3:45 - 5:30 p.m. Keeper Training and Safety Session
- "Communication: Problems and solutions" by Susan Moy, Lincoln Park Zoo, Chicago, Illinois
- "Elephant training and keeper safety at Potter Park Zoo" by Mary Anne McNamara, Potter Park Zoo, East Lansing, Michigan
- "The growth and development of elephant management at the National Zoo" by Kathy Wallace, National Zoo, Washington, District of Columbia
- 6:30 p.m. on Hospitality Suite

SATURDAY, DECEMBER 1, 1984

- 9:00 - 10:30 a.m. Panel Discussion: Elephant Management
- 10:30 a.m. Coffee Break
- 10:45 - 11:45 a.m. Panel Discussion: Should Elephants Be Worked?
- 11:45 - 12:30 a.m. Panel Discussion: Elephant Species Survival Program
- 1:00 p.m. Buses to Audubon Zoo, Lunch served outside
- 2:15 - 3:15 p.m. Workshop: Basic Care and Maintenance of Elephants, Fred Murray, Elephant Walk, New Orleans, Louisiana
- 3:15 - 5:00 p.m. Free time at Zoo

A permanent committee for future workshops (Dale Tuttle, first chairman) was organized as a result of discussions, and a committee to standardize elephant commands (Ron Ringer, chairman) was formed.

By vote the participants chose Fort Worth, Texas, as the site for the Sixth Annual Elephant Workshop to be held in the fall of 1985.

**SIXTH ANNUAL ELEPHANT WORKSHOP
FORT WORTH ZOOLOGICAL PARK, FORT WORTH TEXAS, USA
by Sandra Lash Shoshani**

The Sixth Annual Elephant Workshop was hosted by Fort Worth Zoological Park and sessions were held at Green Oaks Inn, Fort Worth, Texas, on October 6-8, 1985. A total of 67 institutions was represented with 134 individuals participating from two countries, 25 states, and the District of Columbia. Both presentations and panel discussions made up the programs for two mornings, and two excursions were held in the afternoons.

The workshop was supported by: Park and Recreation Department, Fort Worth, Texas; The Fort Worth Zoological Association; The Fort Worth Zoo Docent Council; International Animal Exchange; Albert S. Komatsu and Associates; Bucky Steele; Johnny Banks; Pier 1 Imports; Barber's Book Store;

Miller Brewing Co.; PIP - Postal Instant Press; American Petrofina Inc., Central Bank and Trust; Tandy Corporation/Radio Shack; Heine's Smoke House; Coors Distributing Co.; Marshall Grain Co.; Texaco, Inc.; Texas American Bank - Fort Worth; Steva Blevins; and Margaret Hobart. The Host Committee members were: Steve Clarke, Ralph Houy, Judy King, Heidi Forrest, Mike Bell, Ross Garcia, Vern McGrann and Mandy Hokett.

The schedule of events and presentations was as follows:

SUNDAY, OCTOBER 6, 1985

- 1:30 - 3:00 p.m. Elephant Propagation Committee Meeting
 4:00 - 6:00 p.m. Panel Discussion: Future Workshops
 7:00 - 9:00 p.m. Ice Breaker hosted by Albert S. Komatsu & Associates

MONDAY, OCTOBER 7, 1985

- 8:30 a.m. Welcome by Elvis Turner, Jr. Fort Worth Zoological Park
 Opening Remarks by Warren Iliff, Dallas Zoo
 9:00 - 10:30 a.m. "Future of Elephant Workshops" by Dale Tuttle, Dickerson Park Zoo, Springfield, Missouri
 "EMA: Not just a committee" by Alice Miser, Topeka Zoological Park, Topeka, Kansas
 "Elephants and architects" by Jim Ireland, Kansas City, Missouri
 "Update on Casey's Place" by Frank Griffin, Kansas City Zoo, Kansas City, Missouri
 10:30 a.m. Coffee Break
 11:00 - 12:30 p.m. "Status of elephants in North American zoos: by Patty Stowbridge-Gough, Abilene Zoo, Abilene, Texas
 "Training and handling of captive elephants" by Joseph Dudley, University of Florida, Gainesville, Florida
 "New elephant facilities and breeding program" by Dudley Brown, Fort Worth Zoological Park, Fort Worth, Texas
 "On being an elephant" by Gary Clark, Topeka Zoo, Topeka, Kansas
 12:30 p.m. Lunch
 2:00 p.m. Buses to Fort Worth Zoological Park
 2:00 - 5:30 p.m. Tour of Fort Worth Zoo and Elephant Breeding Facility
 5:30 - 7:00 p.m. Dinner at Fort Worth Zoo, hosted by Fort Worth Zoological Association & Fort Worth Zoo Docents
 7:00 - 8:30 p.m. Panel Discussion: Committee to Standardize Elephant Commands
 8:30 p.m. Return to Green Oaks Inn
 9:00 - 11:00 p.m. Hospitality Suite, hosted by Johnny Banks

TUESDAY, OCTOBER 8, 1985

- 8:30 - 10:00 a.m. "A survey of captive Asian elephant births and bulls" by Alan Rost, Dickerson Park Zoo, Springfield, Missouri
 "Update on the rehabilitation of an African elephant" by Russ Roach and Dan Black, Wildlife Safari, Winston, Oregon

- 10:00 a.m. Coffee Break
- 10:30 - 12:00 a.m. "Authentic habitats for captive elephants" by Thomas Atkins, Jones and Jones, Seattle, Washington
 "Collection and analysis of semen in the Asian elephant" by Paul Price, Denis Schmitt, DVM, and John Bradford, Dickerson Park Zoo, Springfield, Missouri
 "Intricate and biochemical correlates of the reproductive cycle in male and female Asian and African elephants" by Ulysses S. Seal, V.A. Hospital, Minneapolis, Minnesota, and Ed Plotka, Marshfield, Wisconsin
 "The Bucky Steele Elephants" by Lucille Sweeney, Houston Zoological Garden, Houston, Texas
- 12:00 p.m. Lunch at Joe T. Garcia's, Fort Worth, Texas.
 Afterwards buses continued to International Wildlife Park, Tour hosted by International Animal Exchange
- 6:00 - 7:30 p.m. Dinner at International Animal Exchange
- 9:00 - 11:00 p.m. Hospitality Suite

WEDNESDAY, OCTOBER 9, 1985

- 9:00 a.m. - 5:00 p.m. Post-Conference Tour to Corsicana, Texas, to visit Bucky Steele's elephants at Youth Expo facilities.

By vote the participants at the conference chose the Calgary Zoo, Calgary, Alberta, Canada, as the site of the Seventh Annual Elephant Workshop in 1986.

Editors' note: Several significant steps have been taken by groups of people working with elephants as a result of these meetings. Coordination of efforts to enhance propagation of both Asian and African elephants in captivity is the focal point. In order to support this goal, personnel from diverse institutions and organizations have discussed, argued and negotiated in formal groups and through informal meetings. Continuing support for the Annual Elephant Workshop is an outgrowth of awareness among participants of the need for dialogue.

One piece of tangible evidence of progress is a list of ten standard commands for working elephants which was accepted by participants at the Fort Worth meeting. It is particularly important that steps such as this one are being taken by individuals based on commitment to a common goal; administration or outside agencies are not imposing these requirements on elephant handlers. The benefits to come from such workshops must originate with those individuals directly involved with elephants.

It is hoped that interchange of information and ideas between elephant people will continue through such devices as these workshops. Although it is often difficult for private owners and those working with circus shows to be present, their participation has been welcomed and an effort to involve all points of view has been made in presentations, panel discussions and demonstrations. A very popular aspect of the program (the Hospitality Suite) has become the informal sessions in the evenings where space and equipment

for showing slides and videotapes has been provided. An adjoining area for conversation has been well used also.

SEVENTH ANNUAL ELEPHANT WORKSHOP
THE CALGARY ZOOLOGICAL SOCIETY, CALGARY, ALBERTA, CANADA
 by Sandra Lash Shoshani

The Seventh Annual Elephant Workshop was hosted by The Calgary Zoo and sessions were held at Marlborough Inn, Calgary, Alberta. About 115 individuals participated from 24 states and the District of Columbia, 3 provinces of Canada, and Kenya, East Africa. There were representatives from 37 zoos and 22 private institutions plus 7 individuals.

The program was expanded to three days: two days with presentations and panel discussions and one day at the zoo with demonstrations and participatory workshops as well as tours. The workshop was supported by The Calgary Zoological Society, Northland Wildlife, International Animal Exchange, International Zoological Distributors, and Ken Chisholm. The Host Committee members were: Greg Tarry, John Lehnhardt, Dave Banks, and Pam McDougall.

The schedule of events and presentations was as follows:

WEDNESDAY, SEPTEMBER 25, 1986

- | | |
|--------------------|---|
| 8:30 - 8:45 p.m. | Opening Remarks/Welcome by Greg Tarry and Peter Karsten, Calgary Zoo and George Kermack, Calgary Zoological Society |
| 9:00 - 9:45 a.m. | Keynote Speaker: Holly Dublin, African Elephant Field Researcher in the Serengeti-Mara ecosystem, East Africa |
| 10:00 - 10:30 a.m. | Coffee Break |
| 10:30 - 10:45 a.m. | Asian Elephant Species Survival Program Report by Greg Tarry and Michael Hackenberger of Canadeian Zoological Systems, Cambridge, Ontario, Canada |
| 10:45 - 11:15 a.m. | "Diary of a pregnant elephant" by Sue Mainka, Veterinarian, Calgary Zoo |
| 11:15 - 11:30 a.m. | "Birth of a baby elephant" by Bob Kam, Calgary Zoo |
| 11:30 - 11:45 a.m. | "Early development of a baby elephant" by Pam McDougall, Calgary Zoo |
| 11:45 - 12:00 noon | "Artificial insemination" by Jennifer Balke DVM, St. Louis Zoo |
| 12:00 - 1:30 p.m. | Hosted Lunch |
| 1:30 - 1:50 p.m. | "Tusk removal" by Michael Briggs, DVM Wildlife Safari, Winston, OR |
| 1:50 - 2:10 p.m. | Tusk repair of an African elephant" by Kathy Wallace, Natonal Zoo, Washington, D.C. |
| 2:10 - 2:30 p.m. | "Unusual heavy musth gland drainage and aggressive behavior in female Asian elephants" by Debbie Reaves, Sacramento Zoo, CA |
| 2:30 - 3:00 p.m. | "Musth and male-male competition in wild African elephants" by Joyce Poole, Princeton University and Amboseli National Park, Kenya, East Africa |

- 3:00 - 3:30 p.m. Coffee Break
 3:30 - 3:50 p.m. "The Dumbo Syndrome" by Roy Davis Caldwell Zoo, Tyler, TX
 3:50 - 4:10 p.m. "A Question of Discipline" by Ron Ringer, Topeka Zoo, Topeka, KS
 4:10 - 5:00 p.m. "Discipline, zoo management and the public" by Ron Ringer, Michael Hackenberger, Lucille Sweeney of the Houston Zoo, Houston, TX, and Kathy Wallace
 5:00 - 8:00 p.m. Dinner Break
 8:00 - 11:00 p.m. Hospitality Suite

FRIDAY, SEPTEMBER 26, 1986

- 8:00 - 9:00 a.m. Bus transport to Zoo
 9:30 - 11:00 a.m. Rope Tying and Splicing Workshop by Smokey Jones, Bloomington, CA
 11:00 - 12:00 a.m. Foot Trimming Demonstration by John Lehnhardt and Bob Kam, Calgary Zoo
 12:00 - 1:30 p.m. Hosted Lunch
 1:30 - 2:30 p.m. Rigging an Elephant to Cast on its Side by Smokey Jones, Bloomington, CA and Bobby Moore, New Baltimore, MI
 1:30 - 4:00 p.m. Informal Zoo Tours: Elephant Workout, Computer Elephant Bibliography Reference System Demonstration
 4:00 - 5:30 p.m. Cocktails (hosted)
 5:30 p.m. Hosted Dinner at Zoo
 8:00 - 11:00 p.m. Hospitality Suite at Marlborough Inn

SATURDAY, SEPTEMBER 27, 1986

- 8:30 - 8:45 a.m. "Metabolizable energy of infant captive Asian elephants" by Cheryl Niemuller, Canadian Zoological Systems, Cambridge, Ontario, Canada
 8:45 - 9:00 a.m. "Ingesta transit times of captive African elephants" by Michael Hackenberger
 9:00 - 9:20 a.m. "Tooth wear and diet" by David Blasko, Marine World Africa USA, Vallejo, CA
 9:20 - 9:30 a.m. "Elephant skin maintenance through exhibit modification" by Kathy Wallace, National Zoo, Washington, DC
 9:30 - 10:00 a.m. Discussion: Elephants with paralyzed trunks and other questions and comments. Reading of past year's births and deaths of elephants in captivity in North America by Sandra Lash Shoshani, Elephant Interest Group, Detroit, MI, and John Lehnhardt.
 10:00 - 10:30 a.m. Coffee Break
 10:30 - 12:00 a.m. Report on Basic Commands Survey by Ron Ringer, Topeka Zoo, Topeka, KS
 12:00 - 1:30 p.m. Hosted Lunch
 1:30 - 2:00 p.m. Site Designation for 1987
 2:00 - 2:45 p.m. Steering Committee Discussion by John Lehnhardt, James Small of North Carolina Zoo, Asheboro, NC, Bobby Moore, Scott Riddle of Los Angeles, CA, and Smokey Jones

2:50 - 4:00 p.m. "Elephant research in historical perspective" by Hezy Shoshani, Elephant Interest Group, Detroit, MI

By vote the participants chose North Carolina Zoo, Asheboro, North Carolina, as the site for the Eighth Annual Elephant Workshop to be held in early November 1987.

Discussion on the structure of the Steering Committee and on suggestions for next year's Workshop was held. The membership of this committee for 1987 will be: Jim Small from North Carolina Zoo (host); John Lehnhardt from Calgary Zoo (previous host); Ron Ringer; Dave Blasko; Paul Marion from Santa Barbara Zoological Gardens, Santa Barbara, CA, Patty Stowbridge-Gough from Abilene Zoological Gardens, Abilene, TX; and Sandra Lash Shoshani.

A desire by the participants to recognize individuals who have contributed significantly to our knowledge of elephant management or otherwise, gave rise to a spontaneous award. Raymond ("Sabu") Moreau was recipient of the first Elephant Workshop Award. The Steering Committee will formalize this award in the future.

During the discussion following the report on the basic commands survey by Ron Ringer on the morning of the third (and last) day, the general mood of the group achieved a noteworthy level. Some lively exchanges took place regarding the addition of another command for the basic protocol; a proposal was made to use the keyword in the command and the vote to accept it was unanimous. This tone continued to pervade the afternoon session when four other proposals were accepted unanimously. There are still significant differences among the individuals and the groups represented at these meetings. Nonetheless, time has shown that it is worthwhile for all those involved with captive and wild elephants to get together for discussions and shared experiences in the interest of the future of elephants in captivity. In the words of some participants these meetings are "getting better and better." For those who have attended several workshops the Seventh Elephant Workshop may indeed have been a "landmark."

ELEPHANT WORKSHOP PROCEEDINGS AVAILABLE

Proceedings of the Fourth Annual Elephant Management Workshop, held in Kansas City in October 1983, are available. They include all papers presented at the workshop, in addition to the panel discussion, list of registrants and budget information. Send check or money order for \$2 to the Kansas City Zoological Gardens, Swope Park, Kansas City, Missouri 64132.

Proceedings of the Fifth Annual Elephant Workshop, held at New Orleans, Louisiana, November 29 - December 1, 1984, have also been published. The format is similar to those from Kansas City. Write to Audubon Park and Zoological Garden, P.O. Box 4327, New Orleans, Louisiana 70178.

ELEPHANT BREEDING SYMPOSIUM
Washington Park Zoo, Portland, Oregon USA
September 16, 1983

Arend Auditorium at the Oregon Museum of Science & Industry

The following program for a Symposium held at Washington Park Zoo, Portland, Oregon, was sent to us by Warren C. Iliff.

Program

8:30 - 8:35 a.m.	Welcome	W. Iliff
8:35 - 8:40 a.m.	Introduction	M. Schmidt
8:40 - 9:20 a.m.	Keeping and breeding elephants in Europe - Past, present and future	L. Dittrich
9:20 - 10:00 a.m.	Breeding elephants in Sri Lanka	L. de Alwis
10:00 - 10:20 a.m.	Break	
10:20 - 10:30 a.m.	Breeding Asian Elephants in the United States	M. Keele
10:30 - 10:40 a.m.	Captive management of a breeding herd of Asian elephants: The keepers' perspective	J. Haight
10:40 - 11:00 a.m.	Some biochemical insights into musth	L. Rasmussen
11:00 - 11:20 a.m.	Hormonal profiles of the elephant estrous cycle and gestation	D. Hess
11:20 - 11:40 a.m.	Semen preservation techniques for elephants	N. Alexander D. Fulgham
11:40 - 12:00 noon	Sex pheromones of the Asian elephant	L. Rasmussen
12:00 - 1:40 p.m.	Luncheon at Washington Park Zoo	
1:40 - 2:00 p.m.	Prospects for artificial insemination in elephants	M. Schmidt
2:00 - 3:15 p.m.	Panel: Question and Answer Session	All Speakers
3:35 - 5:00 p.m.	Elephant Barn Tour/Demonstrations	

Participants

Lothar Dittrich, Director, Hannover Zoologischer Garten,
 Hanover, Federal Republic of Germany

Lyn de Alwis, Director of Wildlife, Sri Lanka, and Director, Colombo Zoo,
 Colombo, Sri Lanka

Nancy Alexander, Scientist, Oregon Regional Primate Research Center,
 Portland, Oregon USA

David Fulgham, Technician, Oregon Regional Primate Research Center,
 Portland, Oregon USA

David Hess, Scientist, Oregon Regional Primate Research Center, Portland,
 Oregon USA

Lois E. Rasmussen, Scientist, Oregon Graduate Center, Portland, Oregon USA

Warren Iliff, Director, Washington Park Zoo, Portland, Oregon USA

Michael Keele, Keeper Foreman, Washington Park Zoo, Portland, Oregon USA

Roger Henneous, Senior Elephant Keeper, Washington Park Zoo, Portland,
 Oregon USA

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