



Lucy



Sally

LISA BRYDA



Elsa

Linus

# ZOO NEWS

CLEVELAND ZOO—FALL 1972

CLEVELAND

# ZOO NEWS

Published by the Cleveland Zoological Society, Brookside Park, Cleveland, Ohio 44109 - Phone 661-6500

Editor  
Charles R. Voracek

**CLEVELAND ZOOLOGICAL SOCIETY OFFICERS**

Frederick C. Crawford .....Board Chairman  
Vernon Stouffer .....Vice Chairman  
Courtney Burton .....President  
Clyde T. Foster .....Vice President  
Lee C. Howley .....Vice President  
Harold H. Luekens .....Treasurer  
James H. Dempsey, Jr.....Secretary

**CLEVELAND ZOOLOGICAL PARK STAFF**

Leonard J. Goss, D.V.M. ....Director  
Eugene M. Huhtala .....Comptroller  
Charles R. Voracek .....Public Service Director  
Richard W. Merrill .....Zoologist  
Joseph P. Chery .....Superintendent  
Ronald G. Seeley .....Assistant Superintendent  
Frederick E. Lange .....Development Director

**TRUSTEES**

Mrs. Francis C. Almirall  
Raymond Q. Armington  
Charles K. Arter, Jr.  
Raymond M. Barker  
Judge Joseph W. Bartunek  
D. Lee Bassett  
Edward J. Baugh  
Gordon J. Berry  
Guthrie Bicknell  
Warren J. Blanke  
Mrs. Dudley S. Blossom, Jr.  
Tom L. E. Blum  
Thomas L. Boardman  
Benjamin P. Bole  
Kenyon C. Bolton  
Douglas D. Bond, M.D.  
Willis B. Boyer  
Morris A. Bradley  
Paul W. Briggs  
John W. Brown, Jr.  
Willard W. Brown  
Joseph M. Bruening  
Mrs. Clark E. Bruner  
Harry F. Burmester  
Courtney Burton  
Richard R. Campbell  
Judge Summer Canary  
Donald S. Carmichael  
Robert P. Carpenter  
Lee A. Chilcote  
Charles F. Clarke  
Carlton C. Coolidge  
Mrs. James H. Coolidge, III  
Robert W. Cornell  
James K. Cowen

Frederick C. Crawford  
Mrs. Cyril P. Deibel  
James H. Dempsey, Jr.  
Bruce W. Eaken  
Frederick R. Eckley, Jr.  
William H. Eells  
Richard P. Eide  
William H. Evans  
Homer Everett  
Arthur L. Feldman  
Sheldon G. Ferbert  
Ellwood H. Fisher  
Clyde T. Foster  
Vollmer W. Fries  
Daniel Galbreath  
Hugh R. Gibson  
Zoltan Gombos  
George J. Grabner  
George Gund, III  
Mrs. Dan R. Hanna  
Henry C. Harvey  
Mrs. Henry C. Harvey  
Ben M. Hauserman  
Richard R. Hollington, Jr.  
Mrs. Charles R. Hook, Jr.  
Lee C. Howley  
Mrs. Gilbert W. Humphrey  
David S. Ingalls  
David S. Ingalls, Jr.  
James D. Ireland  
Jacob O. Kamm  
Vincent T. Kaval, M.D.  
G. Robert Klein  
Hayden B. Kline  
Elmer L. Lindseth

Walter F. Lineberger, Jr.  
Harold H. Luekens  
Harman W. McBride  
C. B. McDonald  
Robert C. McDowell  
Morton L. Mandel  
Mrs. David B. Manuel  
Harry T. Marks  
John M. Marston  
Nick J. Mileti  
Mrs. Severance A. Millikin  
Miles W. Moran  
James E. Morgan, M.D.  
Dan S. Mortensen  
Scott Mueller  
Boynton D. Murch  
Herbert C. Neal  
Ashley C. Norcross  
William J.H. O'Neill, Sr.  
Judge Thomas J. Parrino  
Mrs. A. Dean Perry  
Frank H. Porter  
D. James Pritchard  
Robert W. Ramsdell  
Alfred M. Rankin  
Robert S. Reitman  
Richard T. Reminger  
A. William Reynolds  
Joseph B. Roberts  
William G. Rogers  
Edward J. Rupert  
Mrs. William C. Scheetz, Jr.  
Mark C. Schinnerer  
Karl R. Schuele  
Mrs. Ellery Sedgwick, Jr.

Louis B. Seltzer  
Paul S. Sessions  
Asa Shiverick, Jr.  
David Skylar  
Everett Ware Smith  
Kent H. Smith  
Alfred I. Soltz  
Walter S. Sparling  
Carl J. Stahl  
Arthur G. Steinberh  
Arthur W. Stuedel  
Thomas L. Stilwell  
Irving I. Stone  
Vernon Stouffer  
J. Maurice Struchen  
David W. Swetland  
G. J. Tankersley  
Mrs. Carl J. Theobald  
A. R. Treadway  
Mrs. Thomas Vail  
Harry Volk  
Wilbur A. Wagenlander  
William O. Walker  
Paul W. Walter  
J. Basil Ward  
Wallace E. Wendt, D.V.M.  
Charles M. White  
Robert Y. White  
Douglas Wick  
Mrs. Kenneth Wick  
Birkett L. Williams  
Judge Theodore M. Williams  
Alfred E. Wolf  
Henry A. Zimmerman, M.D.

**EX-OFFICIO**

**CLEVELAND METROPOLITAN PARK DISTRICT**

John S. Pyke .....President, The Board of  
Park Commissioners  
Lee C. Hinslea .....Member, The Board of  
Park Commissioners  
Harold W. Groth .....Director and Secretary

**CITY ADMINISTRATION**

Ralph J. Perk .....Mayor, City of Cleveland

**CUYAHOGA COUNTY MAYORS' and  
CITY MANAGERS' ASSOCIATION**

William J. Brennan .....President and  
Mayor, Highland Heights

**CUYAHOGA COUNTY SCHOOL  
SUPERINTENDENTS' ASSOCIATION**

Dr. Frank Barr .....President and  
Superintendent, Fairview Park Schools

## JOIN FRIENDS OF THE ZOO NOW

**COVER:**

New lion cubs, "Elsa", "Linus", "Lucy", and "Sally" are newest felines exhibited at the Cleveland Zoological Park; the little girl in the center is the winner of the lion cub naming contest: Lisa Bryda, 7, 5614 Thornton Ave., Parma, Ohio.  
Photo by Tony Tomsic, Cleveland Press

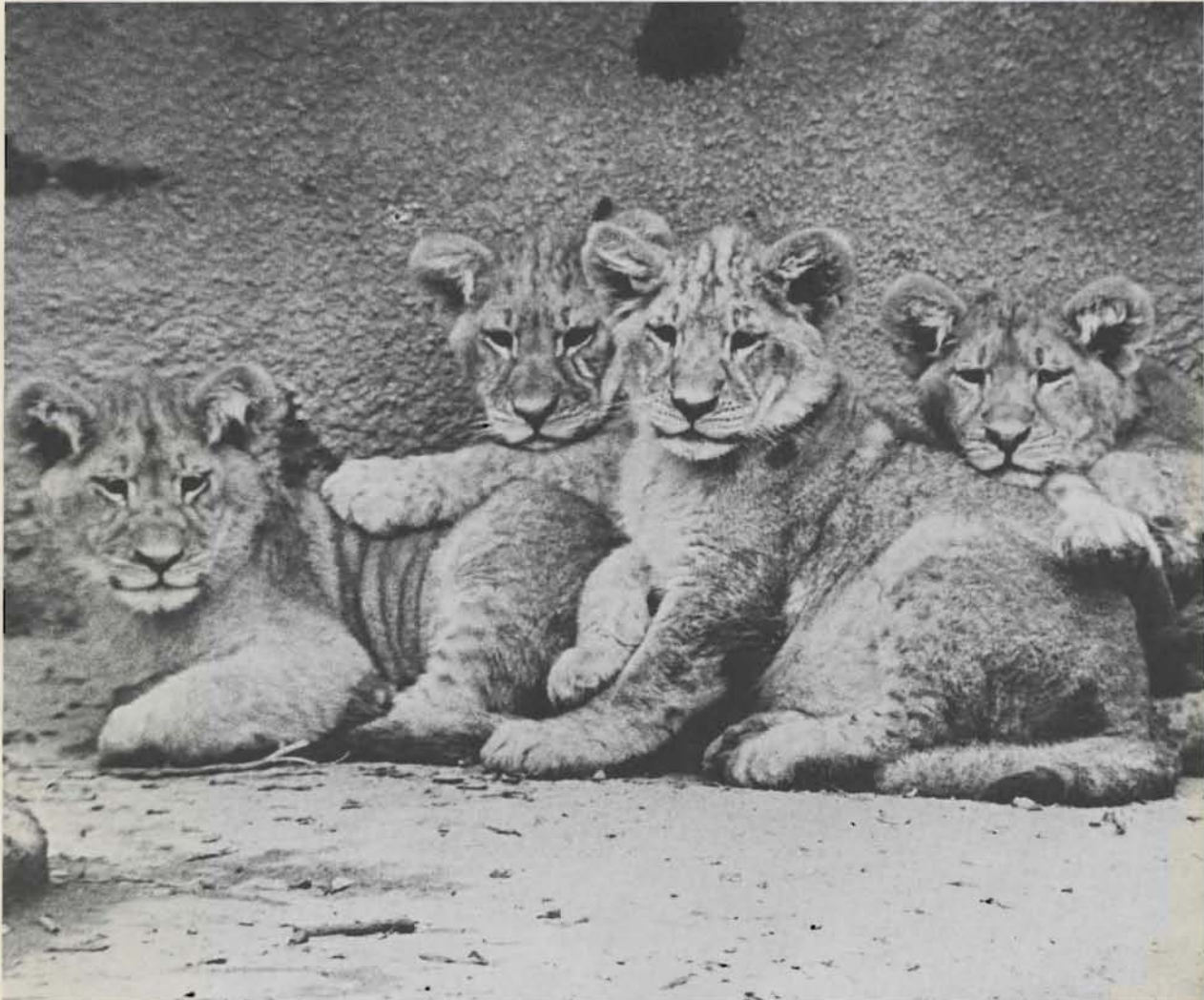
# Lion Cubs Arrive; Get New Names

When our two adult male lions were sold, the vacancy left at the Lion and Tiger Veldt was quickly filled by the acquisition of 3 female, and 1 male, lion cubs from the Henry Doorly Zoo, Omaha, Nebraska on August 24th. The youngsters were 3 months old at the time of their arrival. Mr. and Mrs. Garry Curtiss and Family, Friends of the Zoo, purchased the baby lions for the Zoo.

In a special promotion of the *Cleveland Press* in its "Mini Page" (a Monday section devoted to young children) a "Name the Cubs Contest" was conducted over a 2

week period. Some 3,300 entries were submitted and the judges (the Curtiss family, and Mr. Charles Voracek, from the Zoo) selected the winning names "Elsa", "Sally", "Lucy" and "Linus". Winner of the contest was a 7-year-old girl, Lisa Bryda, 5614 Thornton Ave., Parma, Ohio. She received a \$25 savings bond, tickets to the Ringling Brothers Circus, a Friends of the Zoo membership and a Cleveland Zoo Coloring Book.

Ten runners-up each received a pair of tickets to the Circus, a Friends of the Zoo membership and a coloring book.



The new cats, the gift of the Garry Curtiss Family, may be seen in the Lion Veldt exhibit every day except for days when the weather is too severe.

Photo by Tony Tomsic, Cleveland Press

# Zoo's Newest Building Dedicated

On September 29, 1972, the Cleveland Zoo's newest building, the Service Complex, within which is contained a separate integral unit, the Robert M. Stecher Animal Care Center, was dedicated.

This badly needed addition to the Zoological Park contains an animal food commissary, a walk-in freezer, walk-in refrigerator, dry food storage room, an art-print shop, maintenance shop and tool room, grounds crew work room and storage area, a garage and mechanic's workshop where all zoo vehicles may be serviced, an incinerator, outside garage facility for vehicle storage and parking, an employees' lunch room, winter quarters for animals that must be moved indoors during cold weather, and last, but not least, the Animal Care Center where a veterinary unit is located for the diagnosis, treatment,

quarantine, surgery, and autopsy of zoo animals. Also in the Center is a room for the isolation of infant animals. Equipment in that facility includes incubators and baby cribs for intensive care of newborn animals.

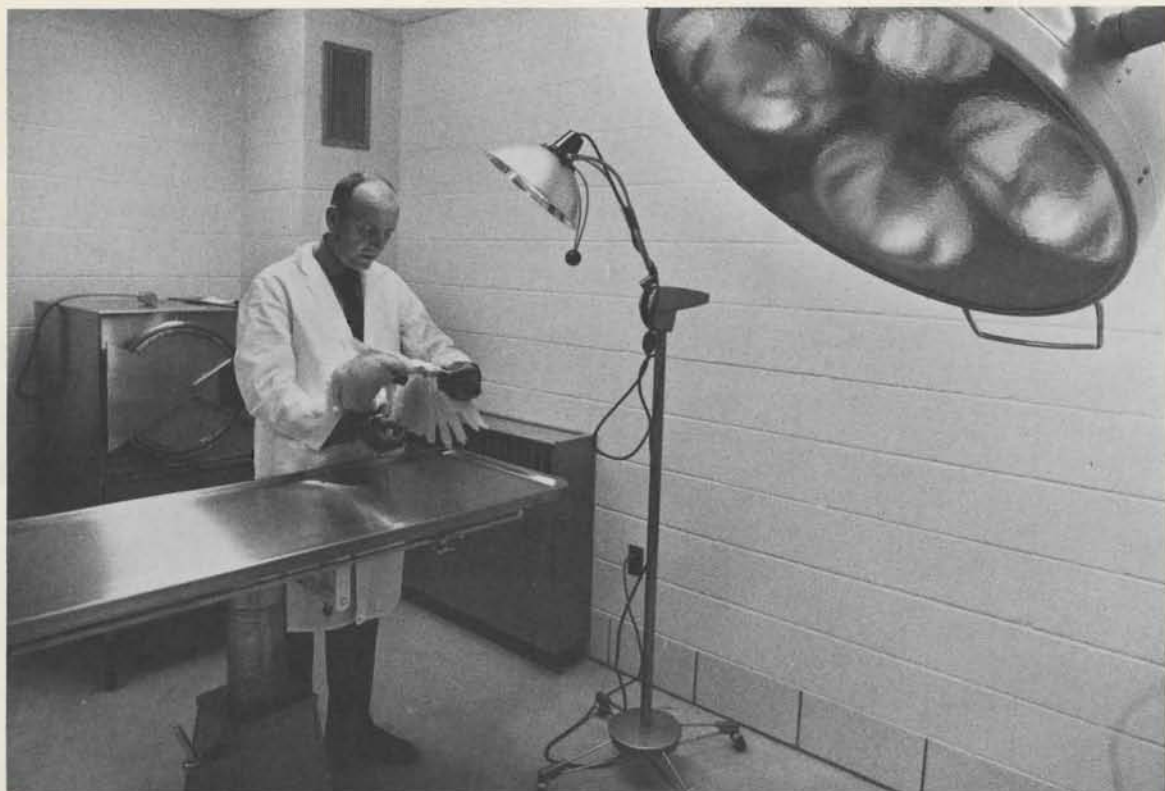
Named for the late Dr. Robert M. Stecher, a vice-president and executive committee member of the Cleveland Zoological Society, the Animal Care Center was designed to handle increased numbers of animal patients when the zoo adds to its present facilities such buildings as the Primate-Feline Complex, a Reptile House, and Small Mammal Building.

The overall efficiency of zoo operations will be increased manyfold inasmuch as all work force personnel, with the exception of keepers, matrons and gate attendant, are centrally located in one unit.



The new Robert M. Stecher Animal Care Center and Service Complex provides a central operations unit for the zoo.

Plain Dealer Photo by William A. Wynne



The new Robert M. Stecher Animal Care Center contains a surgery unit. In this photo the zoo's veterinarian, Dr. Wallace Wendt, examines a cockatoo. When fully equipped, the surgery room will provide up-to-date facilities for surgical procedures on all but the largest of zoo animals.



The Service Complex commissary has a walk-in freezer and refrigerator for the storage of meat, fish, fruits, vegetables and other animal foods, plus ample work space for the cutting of meat and the preparation of daily animal food rations. Gregory Suprunenko, Relief Commissary Keeper, cuts a portion of horse meat for the felines in this wide angle shot in the commissary.

Plain Dealer Photos by William A. Wynne



In the Art-Print Shop of the new Service Complex, artist Robert Niedzwicki puts final touches on a set of signs he prepared. Besides drawing tables, supply cabinets, and files, the shop also contains a press and several fonts of type. All visual aid requirements throughout the zoo can be adequately rendered in this room.



The animal patient ward quarters of the Animal Care Center have heavily barred enclosures for animals such as bears, cats, apes and other aggressive or powerful wild animals. Opposite these wards are wood and metal ward pens for smaller mammals such as deer, monkeys, etc., and for large birds, e.g., storks, cranes, etc.

Plain Dealer Photos by William A. Wynne

# IN MEMORIAM

The Cleveland Zoological Society is saddened by the loss of two of its executive officers. The Cleveland community will greatly miss these two men who devoted a great deal of time and energy to the development of the Cleveland Zoological Park.



**Dr. Robert M. Stecher**



**Mark A. Loofbourrow**

Dr. Robert M. Stecher, 75, an international authority on arthritis and rheumatic disease, died on March 13, in Scottsdale, Arizona, while on vacation. Dr. Stecher was a vice president of the the Cleveland Zoological Society and a member of the executive board.

As a member of the medical Staff of the Metropolitan General Hospital, Dr. Stecher was a founder of the hospital's arthritis clinic and became the clinic's director in 1935.

He was active in many Cleveland organizations including the Museum of Natural History, The Central School of Practical Nursing, Fenn College (now Cleveland State), Children's Aid Society, Cleveland Health Museum, the Cleveland Medical Library Association, and the Cuyahoga County Hospital Foundation. He had been a founder of the Health Museum and was a past president of that institution.

Dr. Stecher wrote many articles on arthritis and rheumatism and had done much research on these two diseases in animals, particularly equines.

The Zoo's new Animal Care Center was named and dedicated in honor of his contributions to the Zoological Park.

Survivors are his wife Florence; a son, Robert M., Jr., and daughters, Mrs. Richard R. Hollington, Jr., and Mrs. Harold K. Douthit.

Mark A. Loofbourrow, 65, a partner in the law firm of Squire, Sanders & Dempsey, died on November 6, 1972.

Mr. Loofbourrow was a Trustee and Secretary of the Cleveland Zoological Society, and a member of its executive board for many years.

He was a director of Harris-Intertype Corp., Bearings, Inc., Penton Publishing Co., Dougherty Lumber Co., and Central National Bank.

He was a charter member, trustee and secretary of Bluecoats, Inc., the organization which aids families and dependents of policemen and firemen killed in line of duty.

Mr. Loofbourrow was a member of the Cleveland Bar Association, the American Bar Association, the Union Club, Cleveland Club, Shaker Heights Country Club, Sigma Chi fraternity, Phi Delta Phi legal fraternity and the Court of Nisi Prius.

His survivors are his wife, Dorothy J., a daughter, Mrs. Robert W. Burnett; two sons, John and James, and a brother, Alan.



# "Karen", Famed Bongo Antelope, Dies

"Karen", the Cleveland Zoological Park's world renowned Bongo Antelope died of complications due to old age on October 6th. She was 14½ years old at the time of her death.

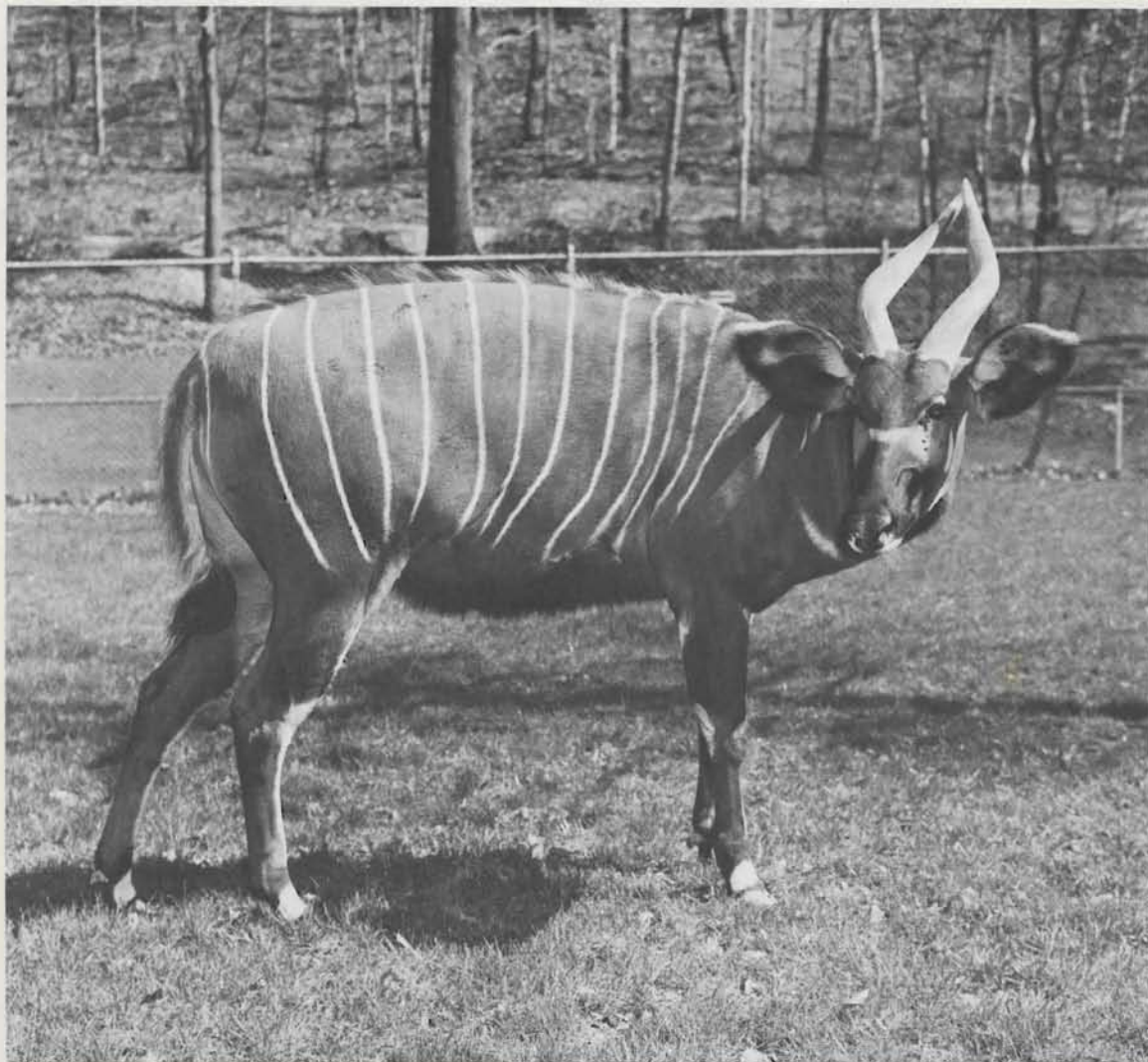
Karen was born in Kenya, East Africa, in May, 1958, and was hand reared by a young English photographer-naturalist, Alan Root, at the Karen Estates in Nairobi.

When Cleveland Zoological Society Trustee, the late Col. B. C. "Biff" Goss visited Africa in 1958 he purchased Karen

from Mr. Root. Karen passed her foreign and domestic quarantine, arrived satisfactorily and was placed on exhibit in July, 1959.

Karen was the only female Bongo in captivity anywhere in the world from 1959 to 1969. A male, "Biff" was obtained from West Africa in 1963 and these animals were the only pair in captivity in the world from 1963 to 1969.

Unfortunately, Karen and Biff never produced any offspring.



"Karen", the Cleveland Zoo's female Bongo Antelope, died on October 6.

Photo by Rebman Photographers



# Endangered Species Cleveland Zoo—October 1972

By  
RICHARD W. MERRILL,  
ZOOLOGIST

The following is a list of endangered species now in the collection at the Cleveland Zoological Park. Species conform to the listings as prepared by the IUCN. (International Union for Conservation of Nature and Natural Resources, Survival Service Commission.)

♂ indicates male

♀ indicates female

## MAMMALS

GIANT ANTEATER (*Myrmecophaga tridactyla*) 1♀

RANGE—From Venezuela and the Guianas as far as Peru, northern Argentina and the South of Brazil.

STATUS—#3 Depleted.

BREEDING RATE IN WILD—Gestation period is 190 days.

REASONS FOR DECLINE—In Argentina it is killed for its skin. Reduction of suitable habitat where human habitation has intruded.

CLEVELAND ZOO—1♀ received March 1964. On exhibit all year at the old Main Zoo Building. During the summer exhibited outside, inside during the winter.



Giant Anteater.

Photo by Tony Tomsic, Cleveland Press



"Gi-Gi", Bornean Orang-utan.

Photo by Tony Tomsic, Cleveland Press

ORANG UTAN (*Pongo pygmaeus*) 1♀, 1♂

RANGE—Borneo and Sumatra. Formerly occurred on the Asiatic Mainland from Peking to the Celebes.

STATUS—#2 Rare. Population has declined drastically in the past hundred years.

BREEDING RATE IN WILD—Gestation period 210-270 days. Has a single infant probably every fourth year. Females remain fertile for as long as 23 to 25 years. Thus allowing for infant mortality of 40%, the average lifetime reproductive rate may be 2-3 young per female.

REASONS FOR DECLINE—As large clearings are made in rather level lowlands, these apes are being destroyed or forced into the hills and mountains where it is questionable whether or not conditions, including food supply, are sufficiently suitable. The biggest menace to the Orang Utan conservation is the Indonesian Army. They hunt Orang Utans with automatic weapons and sell the babies to smugglers. It is doubtful if the Orang Utans will ever adapt to habitat other than primary forests and old secondary forest.

CLEVELAND ZOO—1♂ "FRITZ", Sumatran Orang Utan born approx. 1964. 1♀ "GI-GI" Bornean Orang Utan born at the Cleveland Zoo September 4, 1962. On exhibit in the old Main Zoo Building all year. These great apes are exhibited behind glass to protect them from drafts and contact with humans from which they might contract respiratory diseases.

(Continued on next page)

CHINCHILLA (*Chinchilla laniger*) 1♂, 1♀

RANGE—Rocky and relatively barren areas in the Andes Mountains of Chile and Bolivia from 10,000 to 20,000 feet elevation. Formerly widely distributed in the Andes in Bolivia, Peru, Chile, and Argentina.

STATUS—#4 Indeterminate. Under study to determine how severely reduced. A 1951 expedition report stated the chinchilla was probably gone from Peru. Chinchillas are probably increasing in numbers in Chile due to protection by the Chilean government.

BREEDING RATE IN WILD—Monogamous and produce one or two litters a year. Usually two young but litter size ranges from one to four. Sexual maturity in five to eight months. Gestation period 111 days.

REASONS FOR DECLINE—Hunted relentlessly for their fur. Hunters used ferrets and smoke to drive the chinchillas from their holes. Nearly exterminated in the early 1900's. Large numbers of chinchillas live in captivity. Presumably all these domestic chinchillas owe their existence to an American mining engineer, M. F. Chapman. For three years in the 1920's he employed 20 Indian trappers to scour the Andean peaks in search of the chinchillas. So close to extinction was the animal at that time some of these Indians never encountered one chinchilla during the three years. Finally 12 animals were obtained. After three years of acclimation 11 animals survived and were established in a research laboratory in California. These are thought to be ancestors of nearly all chinchillas in captivity today.

CLEVELAND ZOO—1♂, 1♀ obtained from domestic stock in 1967. They have produced 2 young. They are on exhibit in the Pachyderm Building in the south vestibule.



Chinchilla.

Photo by Tony Tomsic, Cleveland Press



Polar Bear.

Photo by Charles Voracek, Cleveland Zoo

POLAR BEAR (*Thalarctos maritimus*) 4♂, 6♀

RANGE—Circumpolar, primarily on coastal areas or polar ice. Certain areas more productive than others. Rarely penetrate more than 100 miles or more inland from mainland coasts. They rarely appear in the zone of permanent north polar ice but have been recorded as far north as 88°.

STATUS—#2 rare. The range has shown signs of significant contractions since the 1930's. Alaska, Canada and Norway possess the healthiest Polar Bear population.

BREEDING RATE IN WILD—Young are born in late November or early December. Twin births are usual. Gestation period averages 280 days. Females mature at three years, males when they are four. Adult females bring forth cubs about every three years. Estimated they remain fertile to 25 years of age.

REASONS FOR DECLINE—Intensive hunting began in the early 17th century. Increased seal hunting put more pressure on Polar Bears. Possibility that the range has been reduced as a result of milder climatic conditions in the Arctic. Also, numbers of humans and livestock in the Arctic have increased in recent years resulting in a higher incidence of disease.

CLEVELAND ZOO—4♂, 6♀. Since opening our new Polar Bear Exhibit in 1971 we have obtained 10 bears. On exhibit are 1♂, 3♀ in the large exhibit. Six 1-year-old cubs will be introduced to the Polar Bear Exhibit in 1973. The 4 adult bears will go to another zoo. We had 1 Polar Bear born in the collection in 1963 while in our old dens.

**BENGAL TIGER** (*Panthera tigris tigris*) 1♂, 2♀

**RANGE**—Now reduced to localized areas in India. Formerly from West Pakistan through India, Nepal, Sikkim, and Bhutan.

**STATUS**—#3 Indeterminate. Under study to determine how extensive it has been reduced. By 1964 the population of tigers in India had declined to about a tenth of its size at the turn of the century. To maintain a genetic pool of sufficient variety in a population like the tiger, it is essential that a contiguous population totalling at least 300 head exists. All known populations in India are much smaller and the areas separating these small remaining populations are absolutely prohibitive to regular genetic exchange between them. In 1969, a conservative estimate of total numbers of tigers in India would be 2,500. In 1970, the East Pakistan population was estimated at 100 tigers.

**BREEDING RATE IN WILD**—On average 2-4 cubs are produced every 2-3 years. Gestation period of 113 days. Lifespan of 18 years. A total lifetime production rate of 14 animals could only be realized under optimum circumstances and conditions. A low lifetime production rate in spite of the high reproductive potential of females is probably attributed both to a failure to conceive and to high prenatal and postnatal mortality.

**REASONS FOR DECLINE**—

1. Progressive destruction of habitat by man.
2. Disappearance of natural prey so tigers turn to domestic livestock thus increasing friction with man.
3. Relentless persecution by man stimulated by high prices for skins, (increased in recent years through use of poisons).

**CLEVELAND ZOO**—1♂, 2♀. One female is the mother of the pair. We have been very successful in producing tigers and many tigers born in our zoo are found throughout the country. We have had as many as 15 cubs born in one year. They are on exhibit at the west end of the park in a moated exhibit. This enables our visitors to see these animals in a natural habitat setting without looking through bars.



**Bengal Tigers.**

Photo by Ron Kuntz



**Black Rhinoceros.**

Plain Dealer Photo by John Kucharchuk

**BLACK RHINOCEROS** (*Diceros bicornis*) 1♂

**RANGE**—Formerly found throughout Africa south of the Sahara south to the Cape but avoiding the Congo basin and its rain forest. Primarily inhabits open scrublands. Now reduced to reserves and reduced localized populations.

**STATUS**—#2 Rare. Practically exterminated through much of its former range. Where effectively protected rhinoceros are still reasonably common, but elsewhere there are only remnant populations.

**BREEDING IN WILD**—Single young per birth is the rule. Gestation period is 530 to 550 days. Net annual increase under normal conditions is estimated at 5-8%.

**REASONS FOR DECLINE**—Presence of rhinos was incompatible with human settlements and they were exterminated in many areas. Greatest threat today is due to poaching for the horn, considered a powerful aphrodisiac in the Far East. The greatest obstacle to successful captive breeding continues to be the difficulty in persuading potential parents to tolerate each other long enough for the purposes of procreation.

**CLEVELAND ZOO**—1♂ added to the collection October 1955 through the East African Expedition of 1955. Exhibited in the Pachyderm Building, he is on exhibit all year with inside and outside moated exhibits.

(Continued on next page)

**PYGMY HIPPOPOTAMUS** (*Choeropsis liberiensis*) 1♂, 3♀

**RANGE**—Coastal plain of West Africa from Guinea through Sierra Leone and Liberia to the Ivory Coast.

**STATUS**—#3 Indeterminate. Very little is known about the animal, but it is very localized and suitable habitat is limited. Although at present large areas of forest remain unspoiled, there will probably be few areas left in twenty years.

**BREEDING RATE IN WILD**—Normally a single young after a gestation period of 201-210 days.

**REASONS FOR DECLINE**—In Liberia and Sierra Leone foreign aid agricultural programs support the development of wilderness areas. Hunting for meat is also cause for reduction of the species.

**CLEVELAND ZOO**—1♂, 3♀. One female was wild caught and arrived at the Cleveland Zoo May, 1955. The male was born in the Bronx Zoo, March 15, 1960 and came to Cleveland in September, 1960. We've had 3 Pygmy Hippos born at the Cleveland Zoo. The youngest female was born in July, 1971, and will be shipped to Melbourne Zoo late in October, 1972. These animals are exhibited in the Pachyderm Building.



**Pygmy Hippopotamus.**



**Bactrian Camel.**

Plain Dealer Photo by Richard J. Misch

**BACTRIAN CAMEL** (*Camelus bactrianus*) 1♂, 1♀

**RANGE**—Gobi Desert, Mongolia. Formerly the range included Chinese Turkestan and Mongolia. Presently there are only two small colonies isolated in the Gobi Desert; one frequents the high undulating plains between 4,800 and 6,400 feet in Southwestern Mongolia, the other is found in Northwestern China.

**STATUS**—#3 Depleted. Extremely rare in China. The population in Mongolian Gobi appears to be stable. Estimated Gobi population at approximately 400-500 in herds of 25-30 individuals.

**BREEDING RATE IN THE WILD**—Gestation 410 days. Sexual maturity at three years. Lifespan approximately 24 years.

**REASONS FOR DECLINE**—Heavy pressure due to hunting and competition with domestic livestock. Recently wide dispersal of numerically weak herds.

**CLEVELAND ZOO**—The ♂ was born March 21, 1961 in the Pittsburgh Zoo and came to Cleveland March 28, 1962. The ♀ was born March 18, 1961 at the National Zoo in Washington, D.C. She is on loan to the Cleveland Zoo for breeding purposes. These animals are on exhibit opposite the Children's Farm.

**PERÉ DAVID'S DEER** (*Elaphurus davidianus*) 1♂, 1♀

**RANGE**—Totally extinct in the wild. Former range covered the wide territory in Eastern Asia included in the low-lying flat lands formed by the Yellow River and other lesser rivers of Eastern China including Japan (when Japan was part of mainland Asia).

**STATUS**—#2 Rare. The only survivors today are all derived from the Duke of Bedford's herd at Woburn (England) founded in 1900. Through captive breeding which began with 16 specimens, the present world population now numbers 550 deer. (1970 total 164♂, 302♀, 84 sex unknown.)

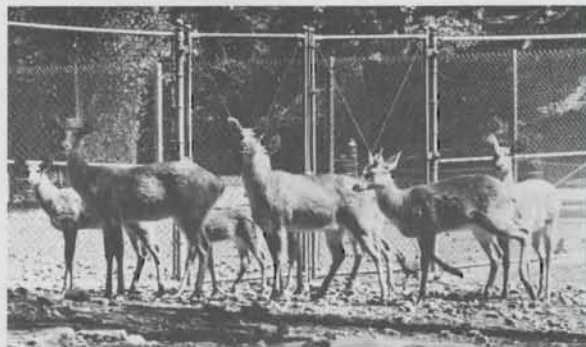
**BREEDING RATE IN WILD**—Gestation period 250 days. Only one young is born per year. There is no record of twins.

**REASONS FOR DECLINE**—As long ago as the Shang Dynasty (1766-1122 B.C.) these deer had apparently ceased to exist in the wild state. They had been confined to parks for more than 2,000 years. When Peré David, a French Missionary in China, first sighted this large deer in the Imperial Hunting Park near Peking in 1865, he became the first native of the western world to see this curious species. Between 1869 and 1900 several deer were sent to European Zoos. During the Boxer uprising in 1900 the remainder of the herd was slaughtered and eaten. The only deer in China to survive were a few that had been taken to Peking. Only 2 were alive in 1911 and by 1921 these had died. The Duke of Bedford established a herd at Woburn Abbey from 16 animals he acquired in 1900 and 1901 from European Zoos. The herd increased as follows: 1922—64; 1935—over 100; 1950—about 400. After the Second World War stocks were sent to several zoos and the world total now numbers 550.

**CLEVELAND ZOO**—1♂, 1♀. Original herd was started August 2, 1955 upon the receipt of 1♂, 2♀ from England. To date we have produced 27 offspring (12♂, 15♀). Our pair are on exhibit in the area opposite the Children's Farm.



Peré David Deer.



Barasingha Deer.

Plain Dealer Photo by John J. Kucharchuk

Photo by Robert Quinlan

**BARASINGHA DEER** (*Cervus duvauceli duvauceli*) 2♂, 4♀

**RANGE**—Mainly distribution is centered along the Sarda River in the North Kheri Forest Division and adjacent parts of Southwestern Nepal. Isolated herds occur in West Bengal and in Assam. Formerly they were found in suitable areas throughout the basins of the Indus, Ganges and Brahmaputra Rivers as well as in Central India, generally in areas covered by moist, deciduous forests.

**STATUS**—#3 Depleted. Populations small and isolated; decline is rapid and continuing. In recent years even exterminated or almost so in sanctuaries set up to protect these deer. Survival of species seems unlikely except in a few sanctuaries and in zoos. Has declined so drastically in recent years that continued existence in the wild state is not assured under present conditions. Total world population not over 4,000.

**BREEDING RATE IN WILD**—Breed at 2 years of age. Gestation period 340-350 days. One fawn born per year, occasionally twins.

**REASONS FOR DECLINE**—Agricultural cultivation of extensive marshy grassland, thus eliminating needed habitat. Poaching extremely heavy.

**CLEVELAND ZOO**—2♂, 4♀. Our herd started with 1♂, 2♀ on November 7, 1953 with the arrival of these deer from Germany. Since that date, 61 have been produced to date (27♂, 30♀, 4 uncertain). These deer are on exhibit across from the Children's Farm between the Bactrian Camel and Pere David's Deer.

(Continued on next page)

## BIRDS

TRUMPETER SWAN (*Cygnus buccinator*) 1♂, 1♀

RANGE—Breeds in Southern Alaska, Central British Columbia, Western Alberta, Eastern Idaho, Southwestern Montana, and Wyoming. Winters in same range. Formerly bred from North-central Alaska, Northern Mackenzie, Manitoba, and James Bay south to British Columbia, Nebraska, Iowa, Missouri and Indiana. Formerly wintered through Western U.S. south to southern California, Texas, Northeastern Mexico, the Mississippi Valley to the Gulf Coast of Louisiana, and on the Atlantic Seaboard to North Carolina.

STATUS—#2 Rare, but increasing in numbers. Species has recovered to sufficient numbers that it is no longer considered Endangered by the United States.

BREEDING RATE IN WILD—One clutch of 7-8 eggs per year.

REASONS FOR DECLINE—Human persecution and hunting caused it to disappear from all traditional breeding grounds by the 1930's. In the U.S. it was undoubtedly saved by the establishment of the Red Rock Lakes Refuge in Yellowstone Park in 1935. Continued existence as a species is excellent.

CLEVELAND ZOO—1♂, 1♀. Received one pair July 14, 1962 on loan from the U.S. Department of the Interior from Red Rock Lakes Refuge. On February 28, 1969 the U.S. Department of the Interior removed them from their list of Native Endangered Species and made them a gift to the Cleveland Zoo. They are on exhibit outside at the Penguin Pool across the mall from Monkey Island.



Trumpeter Swan.

Photo by Charles Voracek, Cleveland Zoo



Cereopsis Goose.

Photo by W. A. Immarino

CEREOPSIS GOOSE (*Cereopsis novae-hollandiae*) 1♂, 2♀

RANGE—Presently occurring on islands off western and southern coasts of Australia and in the Bass Strait. Formerly found over the same range, but more numerous.

STATUS—#4 Indeterminate. Rare and localized. Even though protection resulted in some increase, this species remains rare.

BREEDING RATE IN WILD—Up to 4 eggs per clutch. Sometimes more than 1 clutch if the first clutch does not hatch.

REASONS FOR DECLINE—Shooting. Destruction of habitat by domestic grazing. Many islands hard to police, resulting in destruction by fisherman and stock grazers.

CLEVELAND ZOO—1♂, 2♀. Our present breeding pair consists of a female hatched here in 1959 and a male we obtained by trading her brother to another zoo for an unrelated male in 1968. In 1972 one young hatched and was raised. Pair on exhibit outside Baboon quarters at the east end of the old Main Zoo Building. 1972 female on Waterfowl Lake.

HAWAIIAN DUCK (*Anas platyrhynchos wyvilliana*) 3♂, 3♀

RANGE—Now found only on the two islands of Kauai and Niihau, in the Hawaiian group. Formerly found on all other main islands in the Hawaiian group except Lanai and Kahoolawe.

STATUS#2 Rare and decreasing. A 1965 census by the Hawaiian Game Commission estimated a total of 500 birds, most on Kauai. Possibility of a localized natural disaster could eradicate species.

BREEDING RATE IN WILD—Normal 8 eggs per clutch. Occasionally 2 clutches per year.

REASONS FOR DECLINE—Shooting pressure. Destruction of nests by introduced predators (rats, cats, and mongooses). Drainage of fresh water ponds and filling coastal marshes.

CLEVELAND ZOO—3♂, 3♀. We obtained 1 pair in 1969 and another pair in 1970. One chick was raised in 1970 and another in 1972. These are on exhibit in the New Moated Continental Exhibits with the Sika Deer from Japan, Emu from Australia and other species of waterfowl.

---

SOUTHERN BALD EAGLE (*Haliaeetus leucocephalus leucocephalus*) 1♂

RANGE—Still widely distributed in the U.S. but most numerous in Florida. Formerly more common and its range extended across Southern U.S., and in some states farther north and west (Nebraska, Utah, Nevada and Iowa).

STATUS—#2 Rare and decreasing in population.

BREEDING RATE IN WILD—2 eggs per clutch per year. In 1962 active nests reportedly numbered 515. Average young per successful nest calculated at 1.4. Sharply reduced breeding success in last 10 years (current figures not available).

REASONS FOR DECLINE—Heavy development of residential areas thus reducing territories. These birds require very large breeding territories in isolated places. Evidence indicates reduced fertility of pairs resulting from the use of insecticides in agriculture. Large quantities of insecticides built up in prey species (mainly fish).

CLEVELAND ZOO—1♂. On loan from the U.S. Department of the Interior from Little Rock, Arkansas. Exhibited in the Flight Cages at the south end of Waterfowl Lake.

---

HUME'S PHEASANT (*Syrnaticus humiae humiae*) 1♂

RANGE—Hills of Northern Burma, west of the Irrawaddy. Occurs between 7,000 and 9,000 feet elevation on practically all mountains on Burma's border with China, Tibet, and India.

STATUS—#2 Rare. Most recent records indicate the species is not so rare as once believed. However the present position needs careful study. Considering the present population there is no cause for immediate concern because the areas are so remote they are not subject to human development at the present time.

BREEDING RATE IN WILD—6 to 10 eggs in a normal clutch.

REASONS FOR DECLINE—Human trapping and persecution. However it is questionable whether many are killed at the present time. More study is required to effectively evaluate the species. Remoteness of the area is a big problem.

CLEVELAND ZOO—1♂. Presently housed in habitat #3 in the Bird Building, this male is one of nine hatched in 1971. Since dismantling our old Pheasant Aviaries in 1971 all breeding pairs were sent to zoos with better pheasant facilities.

(Continued on next page)

## REPTILES

WESTERN GOPHER TORTOISE (*Gopherus polyphemus aqassizii*) 1♀

RANGE—Northwestern Mexico northward to Southern Nevada, Southwestern Utah, Western Arizona, Mojave Desert of California.

STATUS—#2 Rare. Probably declining in numbers throughout its range except in remote areas.

BREEDING RATE IN WILD—3-7 eggs laid in early summer, hatching in autumn.

REASONS FOR DECLINE—Sexual maturity at 15 to 20 years. High mortality of eggs and high mortality rate due to automobiles on highways. Off the road vehicles may collapse dens and burrows. Some shot. Occasional commercial sales.

CLEVELAND ZOO—One ♀ is in the collection. It was a gift to the zoo December 1971 and is off exhibit to the public. It is used by Mr. Voracek and the teachers in their classroom animal programs.

---

SPECTACLED CAIMAN (*Caiman crocodilus crocodilus*) 2♂, 1♀, 1 Un.

RANGE—Venezuela, the Guianas, and lower Amazon River and Columbia.

STATUS—#1 Endangered. Considered endangered along the Caribbean and Pacific Coasts and considered seriously threatened in other regions.

BREEDING RATE IN WILD—Up to 120 eggs in one nest indicating possibility that several females use the same nest.

REASONS FOR DECLINE—Extreme pressure from hide hunters. By law, Spectacled Caimans under 1.5 meters length may not be killed, but the law is not enforced. This law, even if enforced would contribute little toward the conservation of this species, as it cannot reproduce until it is much bigger than 1.5 meters.

CLEVELAND ZOO—2♂, 1♀, 1 unsexed. The oldest has been in the collection since January 1967. When received it measured not over 8 inches. Now it measures about 3½ feet. Not on exhibit to the public. These are used in the classroom.

---

MISSISSIPPI ALLIGATOR (*Alligator mississippiensis*) 5

RANGE—Texas (Corpus Christi) on coast, to North Carolina, north in Mississippi drainage and Southeast Oklahoma.

STATUS—#1 Endangered.

BREEDING RATE IN WILD—Once a year, 15-85 eggs per nesting female. Incubation period 9 weeks.

REASONS FOR DECLINE—

1. Loss of suitable habitat. Drainage of swamps and coastal marshes. Dr. Frank Craighead states that alligators in the Everglades National Park were reduced by 98% during the period 1960 to 1968.
2. Poaching hides. Poachers estimated at between 1,000 and 2,000 in Florida alone.
3. Fear of alligators by adjacent land owners. They rarely attack humans but do like dogs. People don't mind small alligators up to 3 ft., but call police or Game Commission to remove large alligators. Results in moving or shooting the alligators. Thus population is kept under the breeding size until no more remain in the area.

CLEVELAND ZOO—5 in the collection. Largest being 7½ to 8 ft. in length having been added to the collection in March, 1958. On exhibit during the summer outside at the west end of the old Main Zoo Building (housing the cats and apes). In winter housed indoors off exhibit.



# Gobbler Odyssey

The supermarket turkey that you're having for Christmas dinner took a mighty long trip from the woods to your table.

It was an odyssey that began in ancient Mexico.

Long before the Spaniards sought the Seven Cities of Gold, turkeys had been tamed by the Aztecs. It's said that the Emperor Montezuma kept a menagerie of hawks and eagles so vast that it needed 500 turkeys per day for food.

Mexico didn't have a corner on tame turkeys. Farther north, turkeys had been kept in Indian pueblos for centuries. Some of these birds were raised for their feathers, not their meat. Old-time Apaches wouldn't eat turkeys at all, just as they wouldn't eat quail or doves.

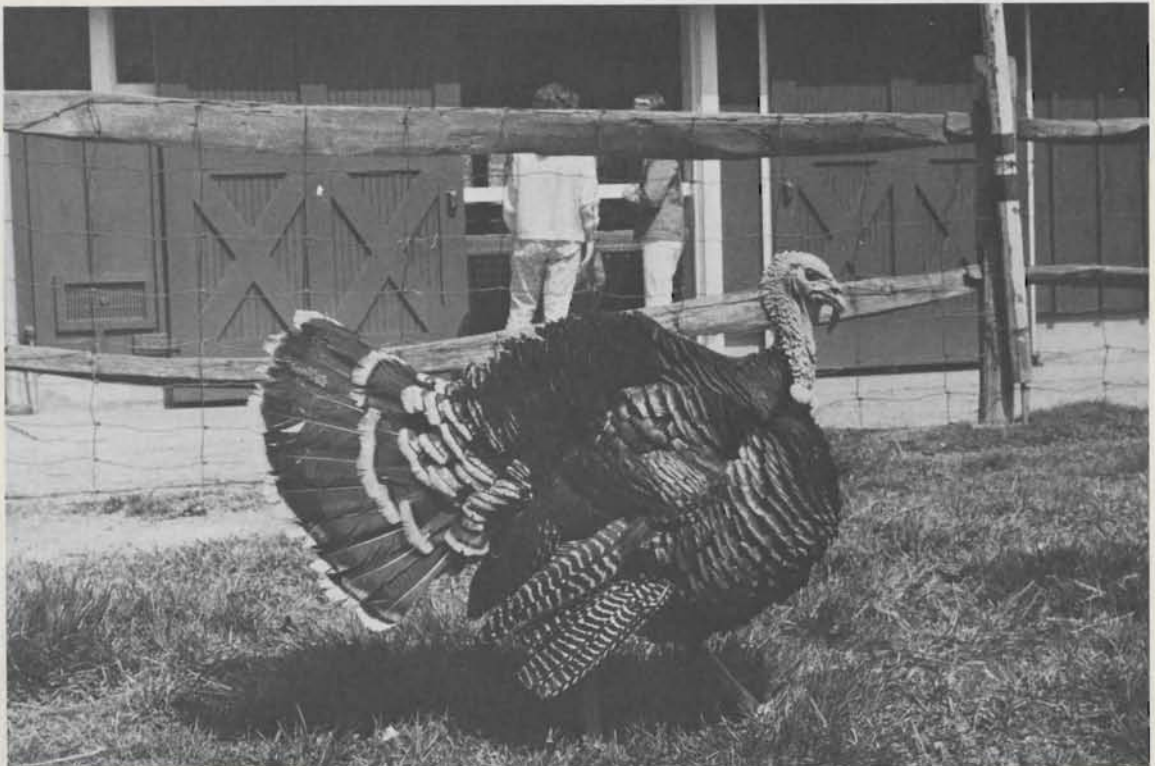
Anyway, the Spanish conquistadors saw their first Mexican turkeys soon after 1518, and by 1530 turkeys had been brought to Spain. It's strange that there aren't clear-cut records of the turkeys' arrival. Maybe they were confused with guinea fowl from Africa, or peafowl from Asia Minor. It's a

cinch that somebody was confused, thinking the bird was from Turkey and naming it accordingly.

From Spain, turkeys spread swiftly through Europe. They were in England as early as 1541, and eventually taken into all parts of the civilized world and bred into a great variety of colors and sizes. Some even had feathered crests.

In the fullness of time, the turkey returned to the New World via the northern route, arriving on the Atlantic Coast. Those domestic turkeys were smaller and blacker than the big, bronze wild birds, and many colonists preferred the wild variety for eating.

So when we talk turkey, we're talking about two vastly different birds. The original Thanksgiving gobbler was a big, wary bird that Captain John Smith groundswatted in the New England woods. But today's supermarket gobbler—he of the full breast, tender drumstick, and dull mind—goes back to Captain Cortez, who swiped it out of Montezuma's barn.



Domestic Bronze Turkey at the Children's Farm.

Photo by Charles Voracek

# THE CANADIAN RIVER OTTER



Canadian River Otters, the gift of Courtney Burton, at the Cleveland Zoo.

Photo by Tony Tomsic, Cleveland Press

**LUTRA CANADENSIS** . . . Among the rarer and more valuable fur-bearing animals, *Lutra* is found throughout most of North America but his distribution is extremely spotty and at no point can he be said to be found in numerous quantities. His pelt, therefore, is highly coveted in the fur industry and is considered a luxury item among many members of the fair sex. His common name is otter and his fur is particularly popular because it is long-wearing and highly serviceable. When it is dressed it resembles beaver fur and is used by furriers in many ways. Two types of otter pelt are in demand—the soft, silky pelt from the interior regions and the larger bluish-brown variety from the coastal areas.

The otter is a large member of the weasel family and possesses the characteristic long, lithe body and short legs common to that species. The head is broad and flat, the ears are tiny and the whiskers on the muzzle are long, stiff and bristly. Each of his webbed feet contains five toes and the soles of his feet are covered with hair. The tail is long and thick and is tapered toward the tip. An adult otter averages about 43 inches in length, including a 13- to 14-inch tail, and weighs around 20 pounds. He utters a variety of sounds, from loud bird-like chirps to a piercing whistle, and when alarmed there is often a menacing snarl. Perhaps his most common sound is a loud sniffing which resembles a swimmer clearing his nostrils. In fact, he spends more time in water than any other member of

the weasel clan, and his diet consists largely of fish. However, he has also been known to enjoy small mammals such as muskrats and young beavers, along with frogs and certain types of poultry.

He is a playful fellow and wherever otters are found there are bound to be "otter slides." In the summer they make these slides on a steep bank by smoothing and patting the earth and wetting it with their bodies until it offers a slick, even surface. The animals climb to the top of the slide and coast into the water on their breast and belly with the feet tucked backward. In the winter such slides are made in the snow and, when frozen, become very hard and slippery, permitting the otters to plunge swiftly into the water.

While the otter is not as bloodthirsty as the weasel nor as ferocious as his larger cousin, the wolverine, he is still able to give a good account of himself in a fight. He is a match for all but the best dogs on land and more than a match for any dog in the water. Aside from man, he has virtually no enemies to worry about, as smaller predators dare not attack him and he can easily escape the larger ones.

In some areas of the United States, the otter is considered an endangered species and cannot be harvested. Even in the regions where he can be taken, he must be trapped—never shot.

JOHN MADSON

*Conservation Department  
Winchester-Western Division*

# Animal Births and Hatchings—1972

January	—	Emu	June	—	Himalayan Tahr
February	—	Guanaco			European White Stork
		Hamadryas Baboon			Yak
		Dromedary Camel	July	—	Mandarin Ducks (5)
March	—	Emu			Rhea
April	—	Aoudad (Barbary Sheep)	August	—	Nile Hippopotamus
		Siberian Reindeer	September	—	Sitatunga Antelope
May	—	Ashy-Headed Geese (5)	October	—	Rhea (2)
		Cereopsis Goose			Jaguars (2)
					Guanaco
					Axis Deer

---

## Cuyahoga Community College and Zoo Cooperate in Continuing Education Courses

During the spring of 1972, the Zoo in cooperation with Cuyahoga Community College conducted a non-credit college course of instruction titled "Zoo-Logic".

A total of 47 persons enrolled in the 10 week class which was planned and conducted by Mr. Richard Merrill, Zoologist, and Mr. Charles Voracek, Public Service Director of the Zoo.

In addition to covering the birds, mammals, and reptiles in the exhibit areas of the zoo, subjects such as planning and administration, financial operations, zoo

veterinary procedures, education, and public relations were also covered. Other members of the zoo staff who participated in the program were Dr. Leonard Goss, Director, Mr. Eugene Huhtala, Comptroller, and Dr. Wallace Wendt, Veterinarian. Mr. Ray Smalley, Cleveland school teacher assigned to the zoo, conducted the education class.

Following the last class, a short graduation ceremony was held at which certificates of achievement were given to all who attended the classes.

---

## Docent Group Formed: Volunteer Guide Service Available

Following the ten week college course, "Zoo-Logic", Zoologist Richard Merrill and Public Service Director Charles Voracek conducted several docent training sessions designed to give more in-depth information to nine of the graduating students who volunteered to give guided tours to visiting groups desiring such services.

Docent volunteers were: Mrs. Beverly Miko, Mr. Fred Mondock, Miss Lorraine

Zink, Mrs. Sylvia Zemba, Miss Paula Zemba, Miss Peggy Patch, Miss Barbara Riedel, Mr. William Prusak, and Miss Jo Webber.

A number of groups took advantage of the guide service available and it is hoped that more groups will avail themselves of this public service next year. For tour guide reservations call the Zoo's public service department, 661-6500, ext. 43.

# Zoo Posters Produced for Publicity and Souvenir Sales

With the current popularity of posters among the young generation, a set of 20 different posters was designed by the zoo's public service department in cooperation with Tony Tomsic, renowned Cleveland Press photographer.

The posters were displayed in the major shopping centers around Cleveland and Akron and were designed to stimulate attendance for the Zoological Park.

In addition, posters were available for sale in the Gift Shop at a nominal cost of \$1.00 each.

Subjects of the posters are: Rhinoceros, Hippopotamus, Giraffes, Elephant, Ostrich, Bongo, Penguins, Swan, Kodiak Bears (2), Malayan Sun Bears, Polar Bears, Tiger, Bison (Buffalo) Bactrian Camel, Prairie Dog, Black Leopard, Sea Lion, Pelican, and Orang utan.

Posters are available by mail at \$1.25 each postpaid.

See Us Swim Bear

When You...



Visit  
The Cleveland ZOO

Zoo Posters of 20 different subjects, one of which is shown here, are available from the zoo's gift shop.

## Reptile Fair



A venomous lizard, the Gila Monster, was a popular attraction at the zoo's Reptile Fair in August.

Nearly 100 snakes, turtles, and lizards, plus a number of amphibians, tarantulas, and scorpions were displayed at the highly successful Cleveland Zoo Reptile Fair held in the Pachyderm Building, August 5th

through the 17th.

The collection of scaly and cold blooded animals was exhibited by private owners in a special display to offer zoo visitors an opportunity to view animals currently not displayed at the zoo. Construction of a new Reptile Building is a few years off yet, but with the great interest in these kinds of animals, the Fair gives exhibitors a chance to show off their pets, and visitors the chance to see exotic snakes, lizards, and turtles.

Among the more spectacular specimens exhibited were a six-foot Eastern Diamond-backed Rattlesnake, a Tiger Rat Snake and a huge monitor lizard.

Some 35 exhibitors participated in the Fair.



"Jimmy", the Cleveland Zoo's Bactrian Camel sheds his heavy winter hair coat in early summer, and looks like a fugitive from a rag bag.

Photo by Bernie Noble, Cleveland Press



Cleveland Zoological Society Trustee Robert S. Reitman visited the National Zoo in Washington, D.C., this past spring, and naturally, wanted to see the greatest animal attraction in the country there, the Giant Pandas which were given to the U.S. by the People's Republic of China. Mr. Reitman not only viewed the Pandas; he also photographed them. Pictured here is the female, "Ling-Ling", and one can easily see why the Panda is so popular.





**Motherly love and a family portrait of a Hamadryas Baboon mother and baby are shown in this excellent photo by Cleveland Press photographer Tony Tomsic.**

# Zoo Candida



Having been chased into the Monkey Island moat by another of her kind, this female Rhesus Monkey is quite unhappy about being waist deep in the water.

Photo by Tony Tomsic, Cleveland Press



"Blackie", the zoo's male Nile Hippopotamus is truly a mammoth creature. Much of his time is spent under water; occasionally, however, he comes out of the water to feed and walk around. A closeup shot of his head reveals the enormity of it, as well as the adaptations of the ears, eyes and nose for an aquatic or semi-aquatic lifestyle.



Mother Bennett's Wallaby and rumble-seat joey, were quite a common sight at the zoo this summer. Three babies outgrew their mothers' pouches during mid-summer.

Photo by Bernie Noble, Cleveland Press



A rare white (not albino) Rhea chick was hatched in August. The Rhea is a flightless bird from South America.

Photo by Larry Nighswander, Cleveland Press



Like an Olympic backstroke master, one of the zoo's Polar Bears swims in this manner several hours daily.

Photo by Tony Tomsic, Cleveland Press



A member of the camel family from South America, the Guanaco herd at the Cleveland Zoo is dominated by this male who has a rather ill-natured temperament.

Photo by Paul M. Krapf



## Flood Wreaks Havoc

On June 23 another flood ravaged the zoo. Big Creek spilled its waters into the paddocks occupied by the Yaks, Zebras, Nubian Ibex, Emus, Elands, Guanacos, and Dromedary Camels.

One infant Nubian Ibex was drowned; a baby Yak was rescued by Assistant Superintendent Ron Seeley, who waded into the rising flood waters and carried the baby Yak to the safety of an upper story barn hayloft.

In addition to the drowned Ibex, other casualties were a young Himalayan Tahr and a nestling European White Stork which succumbed to the effects of exposure caused by the long period of rain and cold temperatures.

Over fifty-thousand dollars worth of

property damage also was suffered as fences were knocked down, flower beds destroyed, and supplies and equipment from the basement of the Ape and Cat Building were washed away or rendered useless. However, to lessen the blow, certain friends and trustees responded to a special flood relief plea and sent checks.

The zoo has sustained water damage from floods many times during the last 13 years. The flood of January, 1959 caused the destruction of the entire reptile collection.

A flood control program to divert Big Creek to the north of the zoo property is currently under consideration. If carried out the danger of future flooding would be eliminated.



The Zoo's Grant's Zebras were quite perplexed over the muddy lake, created in their paddock by the June, 1972, flood. In the next paddock an emu stands ankle deep in the current.

Photo by Tony Tomsic, Cleveland Press

**A FRIENDS OF THE ZOO ANNUAL  
MEMBERSHIP IS A GIFT WHICH WILL GIVE  
YEAR 'ROUND ENJOYMENT. THE ADVANTAGES  
ARE MANY, THE COST IS LOW.  
THE CLEVELAND ZOO IS ONE OF THE  
OUTSTANDING ATTRACTIONS IN NORTHERN OHIO;  
WHY NOT SHARE IT WITH YOUR FRIENDS!**

1. Membership card entitling a member and his immediate family free parking and free turnstile admission for 1 year.
2. Zoo News publications.
3. Free winter wildlife film programs.
4. Special "Friends of the Zoo Day".
5. Notices of special Zoo events and activities.
6. Emerald Necklace magazine.

Support the Zoological Park through memberships.

Enable the Zoo to continue programs of park beautification and community education.

Provide new animals and minor new exhibits.

Enclosed is \$\_\_\_\_\_ at \$10.00 per individual membership.

\$\_\_\_\_\_ at \$15.00 per family membership.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

I would like to give the following persons a  family membership  
 individual membership  
in Friends of the Zoo:

Indicate here if gift membership is to be sent directly to gift recipient.

1. Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

2. Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

*Gift memberships include a Colorful Gift Card*

# FRIENDS OF THE ZOO

Members Enrolled During the Period NOVEMBER 1, 1971-NOVEMBER 12, 1972

## Donor

Benjamin P. Bole, Jr.  
Lee A. Chilcote

## Fellow

American Automatic Vending Corp.  
American Greeting Corp.  
The Astrup Company  
E. Colin Baldwin  
Oliver P. Bolton  
Brooklyn Exchange Club Of Cleveland  
John W. Brown, Jr.  
Joseph M. Bruening  
Dr. & Mrs. Bernard L. Charms  
Wm. R. & F. Cassie Daley Trust  
The Cyrus Eator Foundation  
Mr. & Mrs. Samuel H. Elliott  
Ernst & Ernst  
Joseph R. Fawcett  
Ferro Foundation  
Alexander Ginn  
Mr. & Mrs. H. Stuart Harrison  
The Harvest Publishing Co.  
Mr. & Mrs. Henry R. Hatch  
Richard R. Hollington, Jr.  
Hough Foundation  
Mrs. Henri Pell Junod  
Mr. & Mrs. W. Griffin King, Jr.  
Walter F. Lineberger, Jr.  
John M. Marston  
Medusa Foundation  
Nick J. Mileti  
Miles W. Moran  
Thomas F. Patton  
Penton Publishing Foundation  
D. James Pritchard  
Reliable Spring & Wire Forms Co.  
Asa Shiverick, Jr.  
Everett Ware Smith  
Charles E. Spahr  
Maurice Stonehill  
G. J. Tankersley  
A. Russell Treadway  
United Screw & Bolt Corp.  
Robert E. Vaughan  
Alfred E. Wolf

## Sustaining

Mr. & Mrs. Donald C. Adams  
Mrs. Francis C. Almirall  
The American Foundation  
Charles D. Barkwill  
Joseph W. Bartunek  
George C. Brainard  
Mrs. Fred C. Chandler, Jr.  
Robert W. Cornell  
Fred R. Eckley, Jr.  
Mr. & Mrs. Robert S. Friedman  
Miss Mary G. Higley  
Meacham Hitchcock  
Royal M. Hochner  
James C. Hodge  
Mr. & Mrs. Ernest E. Huntoon, Jr.  
David S. Ingalls, Jr.  
R. L. Ireland

Mrs. Gertrude I. Jackman  
Mrs. J. A. Kemper  
Samuel Krasney  
Mr. & Mrs. E. L. Ludvigsen  
Harry T. Marks  
Shaker Savings Association  
Edward W. Sloan, Jr.  
Edmund J. Sprankle  
The Tremco Foundation  
Harry Volk  
Mr. & Mrs. Owen F. Walker  
Mr. & Mrs. W. Lewis G. Winter

## Sponsor

Wayne J. Albers  
Arthur S. Armstrong  
Mrs. Walter C. Astrup  
Mrs. H. Lee Bassett  
W. Allen Beam  
Dr. James E. Bennett  
Mrs. J. Raymond Bird  
Dr. & Mrs. Ord C. Blackledge  
Mrs. Karl Boester  
Mrs. Arno O. Bohme, Sr.  
Mr. & Mrs. Wm. H. Bostelman, Jr.  
Mrs. Charles S. Britton  
Mrs. Percy W. Brown  
Mrs. Willard W. Brown  
Mrs. Francis P. Bruce  
John B. Calfee  
Campus Sweater & Sportswear Co.  
Mr. & Mrs. George S. Case, Jr.  
Dr. & Mrs. Webb Chamberlain  
Mr. & Mrs. Horace L. Chapman  
Mr. & Mrs. Mark Chism  
Mrs. R. M. Clements  
Cleveland Wire Cloth & Mfg. Co.  
Mrs. Robert H. Collacott  
Dr. & Mrs. Frank Critchfield, Jr.  
The Cuyahoga Meat Co.  
Mrs. Norman L. Daney  
Jerome Ferville Daube  
Mrs. Elizabeth B. deForest  
Mrs. Margaret G. Devine  
Mr. & Mrs. E. Mandell deWindt  
Mr. & Mrs. Philip F. Donley  
John J. Dwyer  
Mrs. H. W. Eastwood  
Miss Lois Eppink  
The A. W. Fenton Co. Inc.  
Mrs. Joan M. Fox  
Miss Esther L. Frazier  
Mr. & Mrs. Daniel B. Freedman  
Mr. & Mrs. M. R. Friedberg  
Dr. & Mrs. Wm. G. Gilger, II  
D. M. Glover, M.D.  
Mr. & Mrs. W. S. Goff  
Mr. & Mrs. George D. Gotschall  
Alvin L. Gray  
Dr. & Mrs. C. M. Greenwald  
Mr. & Mrs. Robert D. Gries  
Dr. & Mrs. L. K. Groves  
Mr. & Mrs. Carl E. Haas  
Dr. & Mrs. John A. Hadden, Jr.  
Germaine R. Hahnel, M.D.  
Mrs. H. B. Harsch

Mr. & Mrs. Frank C. Heath  
Mr. & Mrs. L. P. Hehman  
Mr. & Mrs. Carl E. Heil  
A. G. Heinrichs  
Mr. & Mrs. Robert F. Hennig  
Dr. & Mrs. John P. Hudak  
Mr. & Mrs. Henry Huefner, Jr.  
Miss Joanne Hutchinson  
David S. Ingalls, Jr.  
International Business Machines  
Dr. James S. Jacobsohn  
Miss Ervine D. Jaworski  
Miss Edwina Jones  
Miss Ruthella Jones  
Mr. & Mrs. George F. Karch  
Dr. Joye D. Kent  
Mr. & Mrs. Chessman Kittredge  
Mr. & Mrs. Ewald E. Kundtz  
Mr. & Mrs. Warren Lambert  
Lenihan, Gorton & Co.  
Miss Margaret Lewis  
The Lezius-Hiles Co.  
The Liberty Publishing Co.  
Glenn O. Liebner  
Mary Weidle Lovoff, M.D.  
Mr. & Mrs. E. L. Ludvigsen  
Mr. & Mrs. Robert E. MacNab  
Mr. & Mrs. Richard A. Manuel  
Ralph W. Marshall  
Miss Marlene Martuch  
Mrs. Waldemar Meckes  
Richard H. Meyer  
Mr. & Mrs. Curtis W. Miles  
The Moritz Steel Co.  
Mr. & Mrs. Frank A. Myers  
John F. Nash  
Mrs. Richard P. Nash  
Mr. & Mrs. Charles Y. Neff  
L. W. Neumark  
Mrs. Frank C. Newcomer  
Sterling Newell, Jr.  
John F. Novatney, D.D.S.  
Mr. & Mrs. George F. Opdyke  
Mr. & Mrs. Clarence E. Pejeau  
Mrs. Carol G. Petersen  
Mrs. Thomas F. Peterson  
Miss Alice M. Polis  
Mr. & Mrs. C. Carver Pope  
Leonard Ratner  
Mr. & Mrs. A. K. Rheem  
Dr. & Mrs. Richard C. Roeseemann  
Mr. & Mrs. Robert C. Sargent  
Mr. & Mrs. Omer W. Schroeder  
Mrs. T. G. Schulkins  
Mrs. Elsie Schultz  
Robert J. Schultz  
Mrs. Warner Seely  
Jessop Smith  
Vincent K. Smith  
Robert W. Snyder Family  
The S-P Mfg. Corp.  
Dr. Arthur Steinberg  
Daniel B. Stevens  
Thomas L. Stilwell  
Mr. & Mrs. Howard F. Stirn  
Mrs. Arthur J. Stock

(Continued on Next Page)

**Sponsor (Continued)**

Mr. & Mrs. H. E. Strawbridge  
 Mrs. Edmund Sylvester  
 Wilbert S. Thomay, M.D.  
 Mr. & Mrs. John K. Thompson  
 George A. Tinnerman  
 Dean Trautman  
 William C. Treuhart  
 Mrs. Chester D. Tripp  
 Mrs. Laurence M. True  
 Mr. & Mrs. Ernest N. Wagley  
 Jerome A. Weinberger  
 Miss Pauline Wells  
 Mrs. Roger B. White  
 Harvey O. Yoder

**Annual Members**

Mrs. H. W. Abell, Jr.  
 E. W. Ackerman  
 Mrs. Walter C. Adams  
 Mr. & Mrs. George G. Adomeit  
 The Robert Aldrich Family  
 Mrs. Jane R. Alexander  
 Mrs. Oscar Allen  
 Mr. & Mrs. Walter H. Allen  
 Cletus W. Amstutz  
 Donald Anderson  
 Dr. & Mrs. Jay L. Ankeney  
 The Wilbur V. Arnold Family  
 Mr. & Mrs. Paul Asadorian  
 Frederick M. Asbeck  
 George R. Ashmun  
 Albert A. Augustus, II  
 The Ruth & Elmer Babin Foundation  
 Dr. & Mrs. David H. Bachtel  
 Lawrence J. Badar  
 Miss Johanna H. Baginski  
 Mr. & Mrs. Eugene Baker  
 Mrs. B. Ballonoff  
 Mr. & Mrs. David S. Bamberger  
 C. Merrill Barber  
 Elton R. Barber  
 John W. Barkley  
 Mr. & Mrs. Patterson Barnes  
 Henry Barratt  
 Harvey N. Barrett, Jr.  
 Mr. & Mrs. Robert P. Barry  
 Harold E. Bartlett  
 Miss Elizabeth Bartol  
 Ralph H. Bassett  
 Randall W. Bassett  
 Mr. & Mrs. William E. Bast  
 Mr. & Mrs. R. P. Batchelor, Jr.  
 Miss Norma Battes  
 Mrs. Francis H. Beam  
 Mr. & Mrs. Baxter Beaton & Family  
 Mr. & Mrs. Theodore R. Beatty  
 Mr. & Mrs. Robert E. Beer  
 Mr. & Mrs. Joseph G. Bellian  
 Miss Mildred Dee Benham  
 Mrs. Carl F. Benner  
 Dr. & Mrs. A. E. Bennett  
 Robert Bercau  
 Mr. & Mrs. John Bindofer  
 Charles H. Bisesi  
 Howard S. Bissell  
 Mr. & Mrs. Wallace C. Blankinship  
 David L. Blaushild  
 Blessed Sacrament School  
 Walter Blodgett  
 Dr. & Mrs. J. S. Bodnar  
 Mr. & Mrs. Gary Bogenschneider  
 Mrs. Joseph K. Bole  
 Girard D. Bond  
 Miss Ruth & Martha Borland  
 Mr. & Mrs. Claude Bowers  
 Mr. & Mrs. Robert H. Bowers  
 J. N. Boyd  
 Mrs. Edna M. Boynton

Mr. & Mrs. Terrence E. Bradley  
 Dr. & Mrs. Charles M. Branden  
 Mr. & Mrs. Lowell D. Briggs  
 Dr. B. H. Broadbent, Jr.  
 The Broestl Family  
 Mrs. Barton E. Brooke, Jr.  
 Brooklyn Beaux Arts Club  
 Carol L. Brown  
 Mr. & Mrs. Courtland G. Brown  
 Mr. & Mrs. Joseph R. Broz & Family  
 Mr. & Mrs. Fred Bruce  
 Mr. & Mrs. Kayle P. Brune  
 Mr. & Mrs. Claude A. Brunot  
 Ezra K. Bryan  
 Miss Linda Brybaker  
 John H. Budd, M.D.  
 Dr. & Mrs. Alexander T. Bunts  
 Mr. & Mrs. Harry A. Burkhardt  
 Mr. & Mrs. Wilbur R. Burnham  
 Mr. & Mrs. Leffie Burton  
 Mrs. Dorothy J. But  
 Tom E. Butz  
 Mr. & Mrs. Samuel Cagen  
 Mr. & Mrs. Jack L. Caldwell  
 Dr. & Mrs. D. B. Cameron & Family  
 Miss Susan E. Campbell  
 Mrs. Ruth W. Cannon  
 Victor M. Cannon  
 Mrs. William M. Carran  
 Mrs. George S. Case  
 Dr. & Mrs. Julio A. Castro  
 Frank A. Catalano, M.D.  
 Mr. & Mrs. Kenneth F. Cavanaugh  
 Miss Kristin Celke  
 Mr. & Mrs. B. S. Chandrasekhar  
 Miss Norma B. Cherdron  
 Lester Chorpeneing  
 Mr. & Mrs. Robert A. Clark  
 Mrs. Ralph H. Clarke  
 Mrs. Russell H. Cleminshaw  
 Beulah A. Clifton  
 Mrs. J. C. Cline  
 Mr. & Mrs. Carlton S. Cobert  
 Miss Dorothy Coccia  
 Mr. & Mrs. Kenneth P. Coffin  
 Dr. & Mrs. Harold N. Cole  
 Thomas F. Coleman  
 Anthony Colnar  
 Miss Dorothy Colquhoun  
 Archie T. Colwell  
 Mrs. Kirsch L. Conant  
 Mr. & Mrs. J. W. Corey  
 Mr. & Mrs. Alan Corso  
 Mr. & Mrs. James Cothran  
 James K. Cowen  
 John M. Cowen  
 Edward D. Crabb  
 Mrs. Caroline Crawford  
 Thomas L. Crawford, M.D.  
 Miss Christine H. Crone  
 Vance F. Csaszar  
 Peter T. Cubberley, M.D.  
 Gerald D. Cunningham Family  
 Warren Daane  
 Mr. & Mrs. Raymond Dacek  
 Miss Marie Daerr  
 Mrs. Kazuko M. Dailey  
 William A. Daniel  
 C. Darmour  
 Milton T. Daus  
 Mr. & Mrs. John Davidian  
 Victor Davidson  
 James A. Davis Associates  
 Mr. & Mrs. George M. Dawson  
 E. H. deConingh  
 Mary Jane Deering  
 Mr. & Mrs. Donald A. DePolo  
 Dr. & Mrs. William H. Derrer  
 Mr. & Mrs. Don Deubert

Mr. & Mrs. R. J. Dial, Jr. & Family  
 Mr. & Mrs. Paul S. Dickey  
 Mr. & Mrs. Leo A. DiEgidio  
 Carl R. Dietsch  
 David Dietz  
 Jack A. Doll  
 Mrs. H. F. Donahower  
 Mae Alice Donner  
 William A. Doran  
 Robert Drake  
 Mr. & Mrs. Arthur W. Dudley  
 Mrs. Rosa B. Dulaney  
 Mr. & Mrs. Peter Duly  
 The Mary & Wallace Duncan  
 Foundation  
 Daniel Dunchack & Family  
 G. Brooks Earnest  
 Mr. & Mrs. Robert L. Eastwood  
 Mr. & Mrs. C. Kenneth Egeler  
 Jay C. Ehle  
 Mr. & Mrs. Howard Elder  
 S. Prescott Ely  
 Mr. & Mrs. Oliver F. Emerson  
 Mr. & Mrs. Louis E. Emsheimer  
 Mr. & Mrs. John Estok & Family  
 Mr. & Mrs. E. E. Evans  
 Mr. & Mrs. Jack M. Fairbanks  
 Mrs. Wendell A. Falsgraf  
 Robert J. Farkas  
 Mr. & Mrs. Herbert Farr, Jr.  
 Mr. & Mrs. Jared Faulb  
 Donald P. Faulhaber  
 Mr. & Mrs. Rudolph Fedorchak  
 Miss Fern M. Feltes  
 Mr. & Mrs. Theodore E. Fessler  
 Mrs. Guy B. Findley  
 Richard A. Fishel  
 The James Fitch Family  
 Mr. & Mrs. Seth M. Fitchet  
 Miss Hazel D. Fitzgerald  
 Mr. & Mrs. James D. Fleming  
 Ronald B. Fleming, M.D.  
 Fleshiem Foundation  
 John P. Forgac  
 D. R. Forrest  
 Dr. & Mrs. William E. Forsythe  
 Miss Gertrude Fortune  
 Mr. & Mrs. David R. Fouser  
 Dr. & Mrs. David Foxman  
 Mr. & Mrs. Robert C. Franz  
 Mrs. Samuel O. Freedlander  
 Mr. & Mrs. William F. Freeman  
 William R. Freeman  
 Lloyd S. & Margaret S. Freiberger  
 Trust Fund  
 Mrs. Walter H. Frick  
 Mr. & Mrs. George W. Furth  
 Mr. & Mrs. A. E. Galloway  
 Mrs. Julian B. Galvin  
 Mr. & Mrs. Thomas E. Galvin  
 Dr. & Mrs. Richard Garcia  
 Mr. & Mrs. C. M. Gardner  
 Dr. & Mrs. W. James Gardner  
 Mr. & Mrs. Max Garnitz  
 The John Garvin Family  
 Mr. & Mrs. James E. Gayman &  
 Family  
 Mrs. Margaret G. Geckler  
 Philip H. Geier  
 Mr. & Mrs. Alan S. Geismer  
 Mrs. Eugene L. Geismer  
 Dr. & Mrs. Paul George  
 Mrs. Manuel Gerdy  
 E. C. Gerstacker  
 E. F. Gibian  
 Alfred Gibson  
 Miss Myrtle R. Gilbert  
 Mr. & Mrs. Robert M. Ginn  
 David Gitlin, M.D.

James A. Gleason  
Dr. & Mrs. David R. Glynn  
James R. Goebel  
Mr. & Mrs. Saul S. Goldstein  
Mr. & Mrs. Mark Goodheart  
Mrs. Charles Gottfried  
T. L. Goudvis  
Mr. & Mrs. Robert P. Green  
Mr. & Mrs. John A. Greene  
Mr. & Mrs. Stanley S. Greene  
Richard L. Greiner  
The Griesinger Foundation  
Mr. & Mrs. Clifford L. Grossenbaugh  
Mr. & Mrs. John K. Gund  
Robert Gunkel  
Dr. & Mrs. G. E. Gustafson  
E. A. Gustavson  
Philmore J. Haber  
Mrs. David E. Haine  
Mr. & Mrs. Jesse A. Hall  
Dr. & Mrs. W. R. Hallaran  
Edwin G. Halter  
Mr. & Mrs. Wayne A. Hammond  
Mr. & Mrs. Edgar A. Hanes  
Mr. & Mrs. Richard L. Hansler  
Dr. & Mrs. Homer C. Hartzell  
Perry Allyn Harvey, Jr.  
Mr. & Mrs. Henry R. Hatch, III  
Mr. & Mrs. James A. Hatch  
Don J. Haurin  
Mr. & Mrs. Robert L. Hawkins, Jr.  
Miss Mary Grace Healy  
Miss Gladys Heckman  
Charles J. Heidel  
Miss Mildred A. Heinemann  
Charles H. Herndon, M.D.  
George R. Herzog  
Mr. & Mrs. Walter Hess  
Walter J. Heyman  
Mr. & Mrs. Richard Hiros  
Mrs. Willard Hirsh, II  
Mrs. Lawrence Hitchcock  
Meacham Hitchcock  
Miss Eileen C. Hofmaster  
Mr. & Mrs. Lu S. Holler  
Mr. & Mrs. Richard Hollington  
The Hollis Family  
Mr. & Mrs. Peter Homzak  
Stephen W. Hoover  
Ben F. Hopkins, Jr.  
Mr. & Mrs. Kenneth P. Horsburgh  
Mr. & Mrs. John Hosek  
Mr. & Mrs. George S. Host  
William R. Hough  
Mr. & Mrs. N. R. Howard  
Mr. & Mrs. Dennis F. Hoynes  
Mr. & Mrs. Elton Hoyt, III  
Mr. & Mrs. William F. Hronek  
Mr. & Mrs. John A. Hrones  
Miss Abigail Virginia Hudson  
Edward L. Hudson  
Mr. & Mrs. John E. Hykes  
Mrs. Thomas S. Ireland  
Mrs. Raymond T. Jackson  
Mr. & Mrs. Robert R. Jackson  
R. C. Jaenke  
Mr. & Mrs. E. T. Jeffery  
Mrs. Thomas H. Jenkins  
Bennett W. Jenkinson  
Harry L. Jenter  
Mr. & Mrs. D. Delbert Johannes  
Miss Emma Johnson  
Miss Kathleen S. Johnson  
Mr. & Mrs. Richard Joliat & Family  
Mr. & Mrs. John A. Jones  
Mrs. George Kapral  
Miss S. F. Kasic  
Mr. & Mrs. William Kavran  
Mr. & Mrs. K. O. Keel

Mr. & Mrs. Ernest A. Keith  
Dr. & Mrs. John H. Kennedy  
Mr. & Mrs. Robert P. Kenney  
Mr. & Mrs. Edward J. Kidney  
John M. Kiefer, Jr.  
Donald D. Kim, M.D.  
Miss Margaret Kinchy  
Mr. & Mrs. Fred J. Kirchenbauer  
Mr. & Mrs. John D. Kirke  
Mr. & Mrs. Carter Kissell  
Harold L. Klarreich  
Mr. & Mrs. Alan R. Klein  
Mr. & Mrs. Daniel F. Klemmensen  
Mr. & Mrs. Richard E. Klimo  
John D. Kling  
Lyle P. Klug  
Mr. & Mrs. Edward P. Kmet  
Mr. & Mrs. Clark Knierman  
Mr. & Mrs. Rodney M. Knight  
Mr. & Mrs. Daniel R. Koelliker  
David P. Kormos  
Mr. & Mrs. William Krach  
Mrs. Betty Kramer  
Mr. & Mrs. H. G. Kraus, Jr.  
F. W. Krebs  
Mrs. Henry L. F. Kreger  
Miss Ann Krepps  
Mrs. Vernon Kroehle  
Mrs. Bruce B. Krost  
Mr. & Mrs. Donald H. Kubach  
Mrs. Clare R. Kubik  
Mr. & Mrs. Raymond C. Kuehn  
Mr. & Mrs. Otakar A. Kuby  
Gerhard M. Kuechle  
Mr. & Mrs. Karl Kuenzer  
Miss Mary Kulie  
Leo R. Kundtz  
Mr. & Mrs. Timothy Kurak  
Mrs. Dorothy J. Laditka  
Erwin M. Laibman  
Thomas LaMotte  
Mr. & Mrs. Robert J. Landgraf  
Mrs. Oscar J. Lange  
Mr. & Mrs. R. E. Laubscher  
H. H. Laundry  
Mr. & Mrs. Chin-Ho Lee  
Mr. & Mrs. Harley C. Lee  
Miss Ada N. Leffingwell  
Mr. & Mrs. John Lehky, Jr.  
Mrs. Eleanor S. Lehmann  
Charles E. Leighton  
H. R. Leuthy  
Mr. & Mrs. Timothy C. LeVeen  
Mr. & Mrs. Larry Levine  
Dr. & Mrs. Ira M. Levy  
Marion I. Levy  
Mr. & Mrs. Herman H. Lind  
Mrs. Bruce Lindow  
Alexander Ling, M.D.  
Daniel W. Loeser  
Dr. & Mrs. Leonard L. Lovshin  
Mr. & Mrs. Felix B. Lowell  
Ludlow School PTA  
Mr. & Mrs. William H. Luippold  
H. C. Lumb  
Arthur F. Lustig & Family  
Mr. & Mrs. D. D. MacBeth  
Miss Jennie L. MacKnight  
Mr. & Mrs. James Mackulin  
Harold Maisey, Jr.  
C. A. Maldonado, M.D.  
Mrs. Edwary Malusky  
Miss Margery Anne Manville  
Dave Margolis  
M. J. Markowski  
Arthur C. Marquardt  
Mr. & Mrs. William Marshall  
Mrs. Albert W. Marten  
Alphonse Martus, M.D.

Miss Mildred Maruna  
Dr. & Mrs. John R. Master  
Mr. & Mrs. Vincent Mastro  
Miss Lauren Rose Matejka  
Irene Mates  
Dr. & Mrs. Clayton C. Matowitz  
John Matsushima  
Stephen F. Maurer  
Mr. & Mrs. Jerry L. Maynard  
Mr. & Mrs. Marvin Mazoh  
Mrs. Donald S. McBride  
Mr. & Mrs. F. S. McConnell, Jr.  
Mrs. Lorraine L. McDowell  
R. E. McErlean  
Mr. & Mrs. Clifford T. McKay  
Mr. & Mrs. James McNally  
Miss Mildred L. McPhee  
Mr. & Mrs. George Medas  
Frank J. Meket  
Mr. & Mrs. William D. Mendelson  
Mark Meriam  
Judge Frank J. Merrick  
Dr. & Mrs. George W. Metz  
Henry L. Meyer  
Edward F. Meyers  
Mrs. D. W. Milestone  
William H. Millan  
Miss Genevieve Miller  
James E. Miller  
Leon Gordon Miller  
John A. Miller  
Mrs. Mary C. Miller  
Mr. & Mrs. Melvin L. Miller  
Robert E. Miller  
Dr. & Mrs. Rolf F. Miller  
Sam H. Miller  
W. Thomas Miller, D.D.S.  
William M. Milliken  
Mr. & Mrs. Robert D. Milne  
Milner Electric Co.  
Charles L. Mlakar, Jr.  
Miss Sylvia Mocnik  
Carl F. Monnin  
Mr. & Mrs. Hobert E. Moos  
Mr. & Mrs. Stephen Morris  
Mrs. Dan S. Mortensen  
Mr. & Mrs. Elton F. Motch  
Mr. & Mrs. James W. Mull, Jr.  
Mrs. C. E. Murray  
Mr. & Mrs. C. M. Murray, Jr.  
Mrs. Mark J. Nagusky  
Mr. & Mrs. S. L. Neale  
Mrs. A. E. Nedro  
Mrs. Robert Neuman  
Mr. & Mrs. Hal H. Newell  
Mr. & Mrs. John Newell  
Mildred E. Nixon  
Maurice Norris  
Dr. & Mrs. Frank E. Nulsen  
Eugene F. Nupp  
Mr. & Mrs. Lanson L. Nupp  
Howard A. Nusbaum  
James P. Oberth & Family  
Mr. & Mrs. Joseph A. Oberth  
Mr. & Mrs. Harvey O'Brien  
Donald F. O'Dell  
Genevieve Omert  
Ralph Orkin  
Roy C. Ossman  
Mrs. Jane Q. Outcalt  
Mr. & Mrs. Milo G. Otis  
John F. Patt  
Miss Anne E. Petersen  
Mr. & Mrs. Donald Petrasek  
Mr. & Mrs. John C. Pfahl  
Mr. & Mrs. William B. Phillips  
Mr. & Mrs. John F. Pilch  
Mr. & Mrs. Arthur E. Pile, Jr.  
Miss Betty Piper

(Continued on next page)

## Annual Members (Continued)

- Frank Pishnery  
 George Pollak  
 Ervin C. Pope  
 Miss Florence Potter  
 Mr. & Mrs. Sylvester Powell  
 Mrs. Eleanor O. Power  
 Miss Ann E. Prescott  
 Mr. & Mrs. Edward P. Prescott  
 Mr. & Mrs. Edward Presosky & Family  
 Mrs. Harry Preztak  
 Mr. & Mrs. Harold G. Price  
 Bill B. Prusak  
 Mr. & Mrs. Helmut Puehler  
 John S. Pyke, Jr.  
 Albert J. Quader, Jr.  
 Mr. & Mrs. Charles E. Quay  
 Mr. & Mrs. Stephen J. Rakoczy  
 Dr. & Mrs. M. D. Ram  
 H. A. Raymond  
 Dr. & Mrs. George H. Reeve  
 Rudolph S. Reich, M.D.  
 Miss Edith G. Reichel  
 Mr. & Mrs. C. H. Remmel  
 Dr. & Mrs. Frederic W. Rhinelande  
 E. B. Rhodes  
 Mr. & Mrs. Earl Richter  
 F. J. Richter, M.D.  
 Mr. & Mrs. Ronald J. Ridel  
 Dr. & Mrs. Alan Riga  
 Mr. & Mrs. James J. Rigda  
 Mr. & Mrs. Horace A. Rigg, Jr.  
 William Rilling & Family  
 David L. Roberts  
 Dr. & Mrs. Richard Roberts  
 Mr. & Mrs. Edward Robinette  
 Mr. & Mrs. Paul J. Robinson  
 Mr. & Mrs. Donald R. Roby  
 Donald E. Roder  
 Dr. H. H. Roenigk, Sr.  
 Mr. & Mrs. Edward S. Rogers, Jr.  
 Mr. & Mrs. Jerry Rohr & Family  
 Mrs. E. F. Romig  
 A. F. Root  
 Emanuel M. Rose  
 Mrs. Sharon B. Rosenberg  
 Dr. & Mrs. Melvin Ross  
 Saul E. Roth  
 Mrs. G. F. Rucker  
 Mr. & Mrs. Stephen F. Rudinsky & Family  
 Mr. & Mrs. Jon R. Ruhlman  
 Mr. & Mrs. John E. Rupert  
 Terrill H. Rupert  
 Walker Russell  
 Mr. & Mrs. Jack Rybak  
 Sidney H. Sachs, M.D.  
 Mr. & Mrs. Donald J. Salasek  
 John H. Saunders, M.D.  
 Mr. & Mrs. William Sanders  
 Jeffrey S. Sanow  
 Mr. & Mrs. John G. Sarber  
 Lawrence G. Savchak  
 Mrs. Colletta Say  
 Mr. & Mrs. David B. Sayle  
 Mr. & Mrs. Robert E. Scalley  
 Charles J. Schatz  
 Ralph W. Schlegelmilch  
 Mr. & Mrs. Donald A. Schmitt  
 Mr. & Mrs. Walter F. Schoenig  
 Dr. & Mrs. J. B. Schram & Family  
 Mrs. J. C. Schurger  
 Miss Esther J. Schwab  
 Sandor A. Schwartz, M.D.  
 Mr. & Mrs. Tommie Seals  
 Alvin Segel, M.D.  
 Mrs. William A. Semler  
 Robert C. Sessions  
 Mr. & Mrs. James D. Shafer  
 Miss Ruth M. Shane  
 Dr. & Mrs. D. J. Shapiro  
 R. Emmett Shaughnessy Family  
 Mr. & Mrs. H. J. Sheedy  
 Miss Phyllis Sheehan  
 Shepard Foundation  
 Mrs. Henry B. Shepherd  
 Jack C. Sheppard  
 Mr. & Mrs. Arthur Shorr  
 Miss Rita J. Sieg  
 Mr. & Mrs. Leonard A. Signer  
 Mrs. Ernest J. Siller  
 Robert Silverman  
 Mr. & Mrs. Albert Sima  
 George P. Simmerly  
 Mr. & Mrs. Webster G. Simon  
 Mrs. Harry D. Sims  
 Miss Carolyn Skalnik  
 Mrs. Paul T. Skove  
 Miss Roberta Jean Sladeck  
 Mrs. Alphonse Sledz  
 Mr. & Mrs. Donald M. Smith  
 Mrs. Franklin G. Smith  
 F. Harold Smith  
 Dr. & Mrs. James R. Smith  
 Mr. & Mrs. Kenneth R. Smith  
 Mr. & Mrs. Wayne R. Smith & Family  
 Mrs. Werner G. Smith  
 Frank W. Snyder  
 Mr. & Mrs. Wilton S. Sogg  
 Mr. & Mrs. Walter W. Somers  
 Tomio Sonoda  
 Mr. & Mrs. Jonathan Soucek  
 Nelson G. Spoth  
 Mr. & Mrs. Edmund Sprankle  
 Dr. & Mrs. D. S. Spreng, Jr.  
 Robert V. Spurney, M.D.  
 Dr. Carl J. Stark  
 The George Stark Family  
 Miss Jo Stava  
 Mr. & Mrs. Frank L. Steingass  
 Mr. & Mrs. E. R. Stell  
 Mr. & Mrs. Franklin E. Stephens  
 Theodore J. Stepien  
 Mrs. F. H. Sterbenz  
 Walter J. Sterbenz  
 Mr. & Mrs. Gust Z. Stern  
 Edward F. Stern, M.D.  
 Mr. & Mrs. Richard B. Steuer  
 Mrs. William E. Stevens  
 Mr. & Mrs. Bruce R. Stinchcomb  
 Norbert O. Stockman  
 Mrs. Theodore Stockslager  
 Mr. & Mrs. Myron S. Stoll  
 Mrs. Lillian K. Stone  
 Mr. & Mrs. George Stratton  
 Mr. & Mrs. Charles F. Strong  
 Mrs. Herbert W. Strong  
 Mrs. S. G. Stubbins  
 Mr. & Mrs. James L. Swavelly  
 Mrs. John F. Sweeney  
 Dr. William J. Swisher  
 Mr. & Mrs. Seth C. Taft  
 R. J. Takacs  
 Nelson Talbott Foundation  
 Mr. & Mrs. Maurice R. Taylor  
 Mr. & Mrs. Joseph Tesar  
 Miss Madelaine Tetinek  
 Edward L. Thellmann  
 Mr. & Mrs. Alexander Thiel  
 Miss Elizabeth Thomas  
 W. H. Thompson  
 Theodore R. Thoren  
 Mr. & Mrs. William Titgemeyer  
 Miss Maude S. Tomlin  
 Mr. & Mrs. Robert E. Toth  
 S. K. Towson, Jr.  
 Mr. & Mrs. James J. Tracy, Jr.  
 Mr. & Mrs. Leonard M. Trawick  
 Mr. & Mrs. Keith Trembath  
 Mr. & Mrs. R. C. Trundle  
 Mr. & Mrs. Douglas M. Tyler  
 Louis Uhlir  
 Rufus M. Ullman  
 Miss Marian L. Unterberger  
 Miss Jane C. Urban  
 Miss Betty Vamose  
 D. J. Van Deusen  
 Ralph A. Vaneck  
 Louis J. Van Houte  
 Joel T. Vargus  
 Mr. & Mrs. James P. Velardo  
 John D. Velardo  
 Mr. & Mrs. Robert S. Vetera  
 Mrs. O. G. Voss  
 Edward F. Wachovec  
 Arthur E. Wade  
 Mr. & Mrs. Warren F. Wade  
 Mr. & Mrs. Edward Wagner  
 Mr. & Mrs. Henry C. Wagner  
 Mr. & Mrs. Jack G. Wardley  
 Mrs. Richard H. Watt  
 Mrs. Corliss F. Weber  
 Mr. & Mrs. E. Clare Weber  
 Mrs. Edgar H. Weil  
 Mrs. M. Edwin Weiner  
 Dr. & Mrs. William C. Weir  
 Mr. & Mrs. James Weiss  
 Mr. & Mrs. Leonard C. Weiss  
 Howard M. Wells  
 Mrs. Frederick L. Wenham  
 Robert L. Weston  
 H. E. Wetzell  
 Mr. & Mrs. John R. Wheeler  
 Mr. & Mrs. R. W. Wheeler  
 Miss Harriet Wieland  
 R. N. Wiesenberger, Realty  
 Mr. & Mrs. T. R. Wigglesworth  
 Mr. & Mrs. Thomas Wiktorowski  
 William E. Wilcox, Jr.  
 Daniel B. Wiles  
 Mr. & Mrs. Bruce D. Wiley  
 Mr. & Mrs. Edward A. Wilkes  
 Clarence A. Wilkins  
 Mr. & Mrs. D. J. Wilkison  
 Mr. & Mrs. Brian K. Willemot  
 G. H. Williams & Family  
 Mr. & Mrs. Richard P. Williams  
 Karl S. Willson  
 Mr. & Mrs. Thomas Willson  
 Mr. & Mrs. Joseph T. Wismar  
 Miss Bernice J. Wolf  
 Mr. & Mrs. Milton Wolf  
 William S. Wolf  
 Mrs. Lewis F. Wood, III  
 Ernest M. Wuliger  
 Joseph E. Wurstner  
 James N. Wychgel, M.D.  
 Douglas O. Yoder  
 Mrs. Charles R. Young  
 The James A. Young Family  
 Michael Zaderecky  
 Mr. & Mrs. Gary L. Zander  
 Mr. & Mrs. Rodger E. Zanny  
 Charles Zawadzki  
 Frank Zelenka  
 Mr. & Mrs. Peter Zemba  
 Mr. & Mrs. J. Richard Ziegler

# FELLOW FOR LIFE AND LIFE MEMBERS

## Fellow For Life

Anonymous  
 R. Q. Armington  
 Charles K. Arter, Jr.  
 Atlantic Richfield Co.  
 Max Axelrod  
 Raymond M. Barker  
 D. Lee Bassett  
 Beaumont Foundation  
 The Bicknell Fund  
 The William Bingham Foundation  
 Mrs. Dudley S. Blossom, Jr.  
 Tom L. E. Blum  
 Hon. Frances P. Bolton  
 The Bridgwater Foundation  
 The Broadview Savings & Loan Co.  
 Courtney Burton  
 Mrs. William M. Buttriss, Sr.  
 Sumner Canary  
 Central National Bank Charitable  
 Foundation, Trust Dept.  
 Chick Master Incubator Corp.  
 Cleveland Cliffs Foundation  
 Cleveland Concession Co.  
 Cleveland Recreational Arts Fund  
 Of The Cleveland Foundation  
 Cleveland Rotary Foundation  
 The Cleveland Trust Co.  
 Joseph E. Comtois  
 Mrs. James H. Coolidge  
 Frederick C. Crawford  
 Garry B. Curtiss  
 Mrs. Cyril P. Deibel  
 The East Ohio Gas Co.  
 Homer Everett  
 Arthur L. Feldman  
 Herold & Clara Fellinger  
 Charitable Trust  
 Sheldon G. Ferbert  
 Firman Fund  
 Flynn, Dalton, Van Dijk & Partners  
 Clyde T. Foster  
 Dr. & Mrs. R. J. Frackelton  
 Mrs. Mervin B. France  
 Daniel M. Galbreath  
 Dr. & Mrs. Curtis Garvin  
 The George Gund Foundation  
 The Hankins Foundation  
 Leonard C. Hanna, Jr. Final Fund  
 Mrs. W. J. Harper  
 The Higbee Company  
 Mrs. John H. Hord  
 The Illuminating Foundation  
 The Louise H. & David S. Ingalls  
 Foundation, Inc.  
 James D. Ireland Fund  
 Miss Kate Ireland  
 The Norma Witt Jackson Charitable  
 Foundation  
 Dr. Jacob O. Kamm  
 Jacob O. Kamm, II  
 Mrs. Bert Keller  
 Alan J. Kichler  
 Kiwanis Club Of Brooklyn, Inc.  
 G. Robert Klein  
 Samuel B. Knight  
 Joseph A. Leisman, Inc.  
 Herbert F. Leisy

J. F. Lincoln Family Foundation  
 Mrs. Mark A. Loofbourrow  
 The Louise Foundation  
 Lubrizol Foundation  
 Leroy F. Lustig  
 Mrs. David B. Manuel  
 Elizabeth Ring Mather & William  
 Gwinn Mather Fund  
 The May Company  
 C. B. McDonald  
 Robert C. McDowell  
 Willis M. McFarlane  
 Walter L. Miller  
 Dan S. Mortensen  
 The Lois & Scott Mueller Foundation  
 The Maynard H. Murch Co.  
 The Murch Foundation  
 National City Bank Of Cleveland  
 Neal Moving & Storage Co.  
 North American Mfg. Co.  
 Oglebay Norton Foundation  
 Mrs. A. Dean Perry  
 Julian Pot  
 Robert S. & Sylvia K. Reitman  
 Revco D. S. Inc.  
 Leon Santamary  
 Mr. & Mrs. Charles Saunders  
 Mrs. William C. Scheetz, Jr.  
 Dr. Mark C. Schinnerer  
 Sealtest Foods Div. National Dairy  
 Products Corp.  
 The Sears Family Foundation  
 Second Sohio Foundation  
 Mr. & Mrs. E. Sedgwick, Jr.  
 The Sherwick Fund  
 Sherwin Williams Co.  
 Robert Siterley Co.  
 Society Foundation  
 Alfred I. Soltz  
 Southgate Merchants Assn.  
 Mrs. Robert M. Stecher  
 Harry H. Stone Foundation  
 Irving I. Stone  
 The Stouffer Foundation  
 Vernon Stouffer  
 Stouffer Foods Corporation Fund  
 TRW. Inc. Foundation  
 Union Commerce Bank  
 Mrs. Thomas Vail  
 Mrs. Jephtha H. Wade, III  
 Paul W. Walter  
 Dr. Wallace E. Wendt  
 Charles M. White  
 Birkett L. Williams  
 Henry A. Zimmerman, M.D.

## Life Members

Dr. & Mrs. Frederick C. Badt  
 The Esther K. & Elmer C. Beamer  
 Foundation  
 Paul J. Bickel  
 Guthrie Bicknell  
 Don Bleitz  
 Charles B. Bolton  
 Mrs. Brigham Britton  
 Willard W. Brown  
 Cleveland Federal Savings & Loan

Mr. & Mrs. S. A. Crabtree  
 Mr. & Mrs. Harry Cusella  
 Diamond Shamrock Corp.  
 Mr. & Mrs. Ernest F. Donley  
 John D. Drinko  
 Eagle Stamp Company  
 Eaton Corporation  
 Eaton, Yale & Towne, Inc.  
 Dr. & Mrs. Eduard Eichner  
 Mr. & Mrs. George E. Enos  
 Mr. & Mrs. William H. Evans  
 Ellwood H. Fisher  
 Ford Motor Company  
 Vollmer W. Fries  
 W. Yost Fulton  
 The Charles H. & Fannie M. Giles  
 Memorial Foundation  
 Mrs. L. P. Gilmore  
 Gould Foundation  
 Newman T. Halvorson  
 Mrs. Henry C. Harvey  
 Mr. & Mrs. Arthur W. Hasenpflug  
 Mr. & Mrs. Marvin D. Hicks  
 Higbee McKelvey Foundation  
 Mrs. Joseph C. Hostetler  
 John Hummel  
 Vincent T. Kaval, M.D.  
 Warren S. Kelley, M.D.  
 Mr. & Mrs. W. Griffin King  
 Mrs. H. P. Ladds  
 Elmer L. Lindseth  
 R. L. McGean  
 E. Tom Meyer  
 Miss Annette Miller  
 Mrs. Severance A. Millikin  
 Modern Tool & Die Co.  
 Dr. James E. Morgan  
 Henry J. Nave  
 F. R. Newman  
 Ohio Bell Telephone Co.  
 George Oliva, Jr.  
 Premier Industrial Foundation  
 Mrs. John B. Putnam  
 Alfred M. Rankin  
 Mr. & Mrs. Albert Ratner  
 Richard T. Reminger  
 Richman Brothers Foundation, Inc.  
 Philip F. Rogel  
 William G. Rogers  
 The Kelvin & Eleanor Smith  
 Foundation  
 Kent H. Smith  
 The South Waite Foundation  
 The Standard Oil Co.  
 Arthur W. Steudel  
 The Vernon Stouffer Foundation  
 J. Maurice Struchen  
 Tinnerman Products Foundation  
 Mrs. E. N. Wagley  
 The Warner & Swasey Foundation  
 David Warshawsky  
 Robert York White  
 Dickson L. Whitney  
 Douglas Wick  
 Robert W. Wido, M.D.  
 Mrs. David R. Williams, Jr.  
 Arthur P. Williamson

CLEVELAND ZOO NEWS  
CLEVELAND ZOOLOGICAL PARK  
CLEVELAND, OHIO 44109

Non-Profit Org.

U. S. POSTAGE

PAID

Cleveland, Ohio

Permit No. 3570

MR. JOSEPH A. OBERTH & FAMILY  
4012 WOODWAY AVENUE  
PARMA, OHIO 44134



"Tony", the Cleveland Zoo's male Bengal Tiger, rests comfortably on his warmed concrete pad. A heating unit beneath the surface of the pad gives him and the two female tigers a haven of warmth outdoors when the weather turns cold.  
Photo by Tony Tomsic, Cleveland Press