

# Brown Pelicans Maimed

## A Visit with the Victims and their Veterinarian

by Charlene Beane  
Norco, California



Dr. Gayle Roberts holds a recently severed pelican's beak. It may serve as a model to mold a replacement.

In mid-October, California brown pelicans whose top beaks had been chopped off received national media coverage. Such an act, had it happened to any living creature, would have been hideous, but the gravity of the crime was compounded because the California brown pelican is an endangered species.

On October 30, Jean Hessler, *Watchbird* art director, and I visited the Crown Valley Animal Hospital in Laguna Niguel, California to see the mutilated birds. As we arrived, a Fish and Game officer was leaving—he had just brought in another pelican whose beak had been severed.

Dr. Gayle Roberts took us back to the pelican pen. Although I thought I was mentally prepared for what I was about to see, the sight of the injured birds, coupled with the overwhelming smell of fish, almost made me faint.

After the initial shock, I regained my composure and started seeing the good things. Except for their stubs of top beaks which ranged from one to four inches in length, the birds were in excellent condition. They are housed in a large area with vinyl coated concrete floor, tile walls, and a temporary ceiling of poultry netting to keep the birds from flying into the adjacent dog runs. As amenities, the pelicans have a child's

wading pool, several tires to climb on and a large window with iron grillwork where they perch to admire their admirers. The pen also contains a fake fire hydrant, a reminder of the intended purpose of the space.

California brown pelicans are a little smaller than the Canada goose, 7-9 lbs. Their necks are longer, more like swans, and their heads are large like geese and swans, but rounder, more domed, in appearance. The top back of the neck carries about a six-inch row of tufting that becomes yellowish in adults, possibly due to sun bleaching.

Although they lack the dramatic



Photos by M. Jean Hessler

Immediate first aid for a new arrival. With a little holding help from author and hospital staff member, Dr. Roberts extracts an imbedded fish hook.



**THE  
FEED  
BAG**



**BUY • SELL • TRADE  
BIRDS  
BIRD SUPPLIES  
AND EQUIPMENT  
SEED, FEED**

Halfmoons  
Cockatiels  
Lovebirds  
Parrakeets  
White Headed Nuns  
Green Singers  
Golden Breasted Waxbills  
Cordon Bleu  
AND MANY OTHER TYPES  
OF FINCHES  
AND HOOKBILLS



18247 East Valley Blvd.  
(at Yorbita Rd.)  
La Puente, CA. 91744  
**213/964-8473**

MACAWS

CONURES

LOVE BIRDS

BUDGIES



COCKATOOS

AMAZONS

FINCHES

AFRICAN GREYS

# R & L EXOTIC BIRDS, INC.

AND MANY MORE  
DOMESTIC & IMPORTED BIRDS

### WE WHOLESALE TO PET STORES & BREEDERS

We're proud of our breeding ranch and wholesale operation. We would like to add you to our list of satisfied customers. Send your name, address & tax number to start receiving our current price list - or just call

*We ship out of Orlando and Tampa, Florida.*

**R & L Exotic Birds**  
Rt. #1 Box 340 C  
Dunnellon, Florida 32630  
904-489-6965

## A perfect gift . . . for conservationist friends!

*Limited edition*

### Endangered Species Portfolio

Twenty-two exquisite color photographs of some of the rarest birds in the world. Each one is printed on quality stock with an attractive border, ready for framing. The text of the portfolio is introduced by Frank S. Todd. Brief photo descriptions were written by Dr. Jean Delacour and Sheldon Dingle. Another important feature is a complete list of world endangered fauna and flora, the results of the June 6, 1981 Convention on International Trade in Endangered Species (CITES).

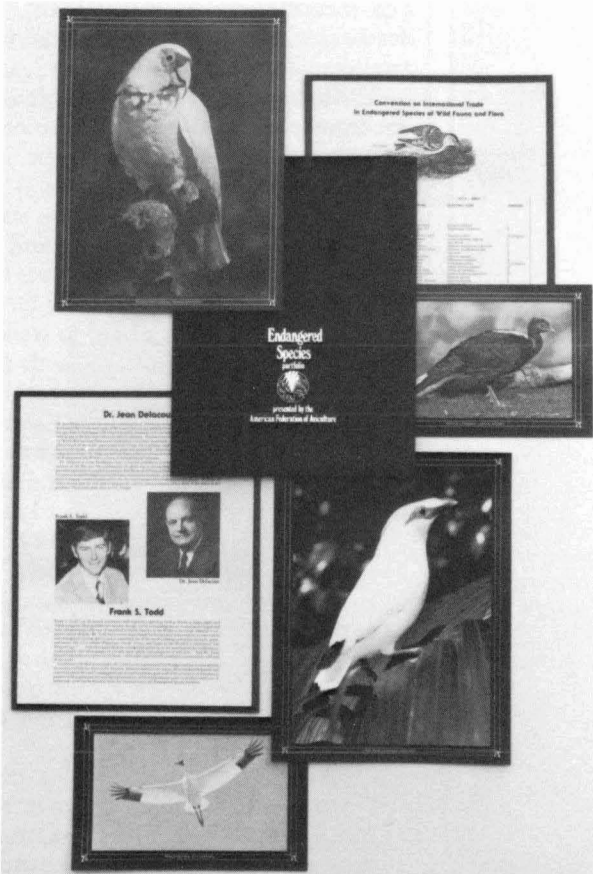
This is your opportunity to enjoy detailed photographs of birds you may never be fortunate enough to see in person.

You can order this unusual collection only from A.F.A. The price for each portfolio includes shipping and handling costs. (California residents add 6% state tax)

**\$15.00**

Send order, and make checks payable to:

**American Federation of Aviculture**  
P.O. Box 1568, Redondo Beach, CA 90278





# Fine Feathered Friends

Distributor of  
**TOPPER BIRD RANCH DIETS™**

The only total nutrient seed diets available in the U.S.  
This seed is coated with all vitamins, minerals and amino acids recommended by most prominent veterinarians.  
SMALL HOOKBILL • LARGE HOOKBILL • CANARY TOTAL DIET • FINCH • BUDGIE

## DISCOUNT BIRD SUPPLIES

FEED, Keet Life™, bulk cuttle bone, bulk spray millet  
DECORATIVE WOOD STANDS • PRE-FAB AVIARIES • METAL FEEDERS  
PLANIT PLASTIC PRODUCTS • CAGES, including individual breeders  
WOOD PRODUCTS, nest boxes, feeders, carrying cages, hospital cages, ladders, swings, playpens  
METAL NEST BOXES • CROCKS & CROCK HOLDERS • AVIARY WIRE  
BIRD BOOKS • SMALL NUMBERED OPEN BANDS & TOOLS

SHOP OPEN  
WEEKENDS ONLY  
**HOURS**

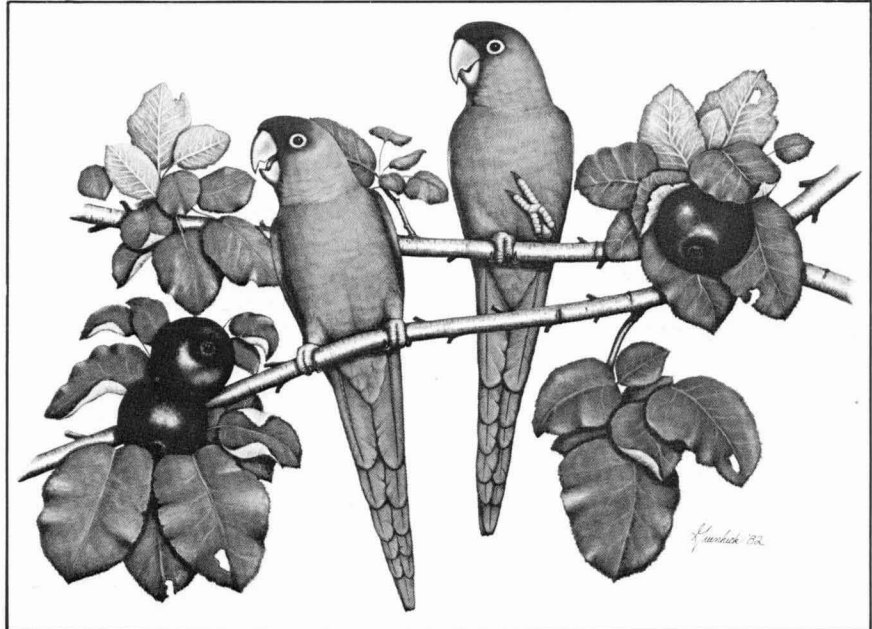
FRI. 3pm - 6pm / SAT. & SUN. 8am - 5pm

**(213) 340-6318**

RECEIVING ORDERS,  
PROCESSING AND  
**SHIPPING**  
DAILY

20833½ Roscoe Avenue, Canoga Park, CA 91304

## Extinct Birds For Sale



### Carolina Parakeets

by Paul Greenheck · 300 s/n top quality full color prints,  
lowest number assigned upon receipt of your order.

**\$55** includes postage and handling

American Federation of Aviculture, P.O. Box 1568, Redondo Beach, CA 90278

See Watchbird, June/July '82,  
pg. 8 for full color reproduction

markings of the Canada goose, the color tones are similar. These injured birds are young, probably last spring's chicks, because their heads are dark, velvety, chocolate brown. Only one is showing a lightening of head feathers. This bird is probably older than the others. Dr. Roberts said that this bird had trouble adapting to handling and hand feeding. Now that the pelicans are accustomed to humans, the bird that appears to be the oldest is the most aggressive. As the birds stabbed at me with their lower beaks, begging for food, this bird with the lighter face made the most vigorous thrusts. The younger birds were curious and gentle with their probes; the older bird wanted to be fed and he meant it!

Back and wing feathers are dark to medium brown, variegated but not patterned. The breasts are a soft beige, and the color tones are blended, not delineated.

The feather texture is harder and rougher than that of a goose, and the feathers are not quite as smooth lying, but this may be partially due to these birds' inability to groom themselves. It was pitiable watching them reach back to their oil gland with their single lower beaks, making grooming gestures, rubbing their heads on their feathers. Since they cannot groom properly, these birds may have to wait through an entire moult to be sea-worthy; without the proper distribution of natural oil, the feathers will absorb water and the birds would sink and drown.

The legs and feet are slate colored and medium in size. I was surprised to notice that their fourth (hind) toe is the same length as the others and that it is also webbed, in contrast to domestic waterfowl which have three long toes and two webs with a short fourth toe that is used for balance. My geese want their feet on *terra firma*; they seem afraid to walk up steps or ramps. The pelicans, with their four long toes and three webs, were climbing all over the place. They seem to have much greater ability to grip and perch than the more earthbound domestic waterfowl. No doubt that third inside web in their feet gives them extra power when they are swimming.

The pelicans have about a seven foot wingspan, and they are fortunate to be in large enough quarters that they can spread and flap their wings. The force of those wings was formidable when they smacked me in the face.

Pelican eyes are larger than a dime, more than twice the size of goose eyes, and dark, liquid brown. The expression in those eyes is so innocent and trusting, it is hard not to wax anthropomorphic.

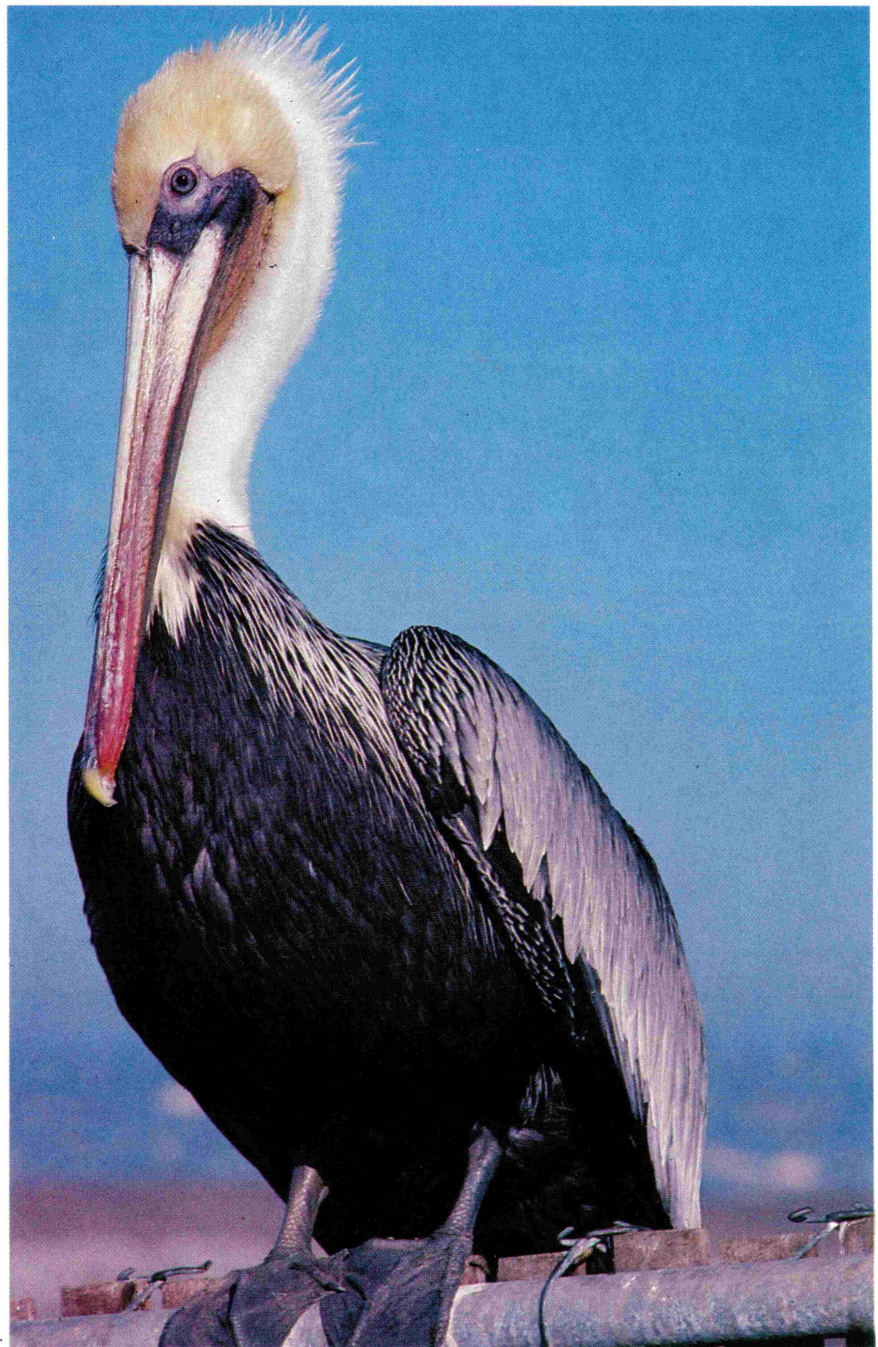
The pelicans are eating well. Local fishermen are donating part of their catches each day—mostly bonito—to feed the birds. The fish is cut into bite-size pieces and dropped into the elastic lower beaks. A man from Canada sent 100 lbs. of frozen mackerel which the pelicans relish because it can be eaten whole. The mackerel is being rationed to use as treats and to tempt reluctant diners and newly rescued patients to eat. The pelicans at the hospital when I visited consume 40-50 lbs. of fish per day. They also get vitamins. In the wild it is thought that they favor anchovies.

Their weight and condition was good. Dr. Roberts said that they were not emaciated when they were brought in. She speculated that fishermen had been throwing them fish. She thinks most of the injured pelicans had not learned to fish on their own, and this dependence contributed to their vulnerability.

The beaks were cut off with a serrated tool, perhaps something like a fish knife. Some of the beaks were cut off entirely; others, especially those cut closer to the nostrils where the beak is thicker, were still attached at the lower edges, but were severed to the point that they flapping and useless. A few were cut through into the edges of the lower beak. These wounds have already started to heal and gain strength.

I asked Dr. Roberts if the upper beaks which had not been completely amputated could have been secured and allowed to heal, analogous to human arms and fingers that have been reattached.

*Undamaged birds in the wild—California brown pelican in adult plumage, right. A graceful flyer when air borne, an entertainer when diving for fish. Since their comeback in the last few years, they are often seen around jetties and piers. Juvenile below.*

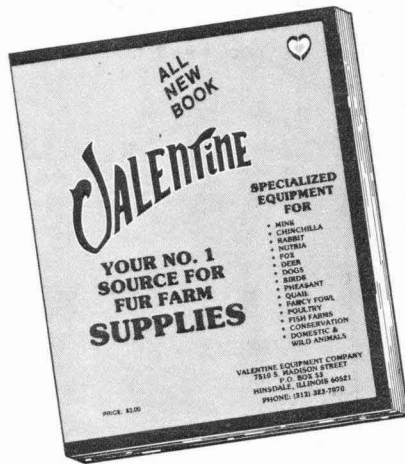


# Valentine's NEW CATALOG

## 100 PAGES

Featuring a New Line of Specialized Equipment for:

- MINK • CHINCHILLAS • RABBITS
- NUTRIA • FOX • DEER • DOGS
- LABORATORY ANIMALS • BIRDS
- CAGEBUILDING SUPPLIES
- PHEASANTS • QUAIL
- FANCY FOWL AND POULTRY
- FISH FARMS • CONSERVATION
- DOMESTIC & WILD ANIMALS



Send \$3.00 (to cover cost of handling and mailing). Price of catalog will be credited to first purchase of \$25.00 or more.

VALENTINE EQUIPMENT COMPANY • P.O. BOX 487 • 7510 S. MADISON ST. • HINSDALE, IL 60521

Please send \_\_\_\_\_ copies of VALENTINE'S CATALOG  
ENCLOSED \$ \_\_\_\_\_ TO COVER COST.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

 **Valentine** EQUIPMENT COMPANY

7510 S. MADISON ST. • P.O. BOX 487 • HINSDALE, IL 60521 • (312) 323-7070

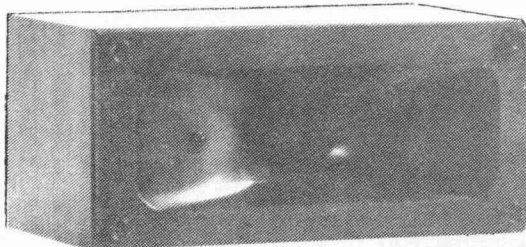
## The mighty PEST GUARD

The Pest Guard works on ultrasonic sound waves. Be reasonable as to location of the unit and the results you attain. You may have to reposition it at times to acquire maximum results. You will be amazed with its effectiveness.

### SPECIFICATIONS

Dimensions: 5.5" x 3.5" x 2.75"  
Power supply: 105-120 Volts AC, 60 cycles  
Power consumption: Less than 4 watts  
Weight: 2 lbs.  
Frequency range: Sweep 30,000-65,000 Hz.

COSTS LESS THAN A PENNY A DAY TO OPERATE



**\$109.95**

California res.  
add 6% tax.

SOME OF OUR OTHER FINE PRODUCTS: Super Hygliceron B, Hardwood cages, Avia, Vionate, Nolvasan-S, Eye drops, Teleacycline powder, Copper cages.

Money order,  
Cashier check, or



ORDER FROM

**PITTMAN'S**

**WE SHIP  
UPS  
EVERY**

**(714) 779-1350 or 779-6232 WEEKDAY**

5642 EAST LA PALMA AVE., #103, ANAHEIM, CA 92807

Dr. Roberts explained that this procedure was out of the question because when the injured pelicans were brought in, the edges of the wounds had already started to die.

She showed us the skull of a pelican loaned to her by a Los Angeles sculptor. The cranium and the beak are a single long bone that extends to the tip of the beak. The beak of a live pelican is covered with a thin layer of keratin. The bone of the pelican beak is porous, almost spongy in texture. The myriad air pockets within the bone structure reduce weight and absorb some of the impact of power dives.

Dr. Roberts had to complete the removal of the top beak of the pelican that was brought in just before we arrived. She could not do it with a scalpel; she had to use a bone cutter.

The pelicans did not bleed to death or die of infection because the salt water cauterized and sterilized their wounds. The wounds are covered with a crusty, yellowish scab.

I examined the amputated upper beak. The edge that had been cut had started to die and the marrow had begun to recede. Dr. Roberts believes that had reattachment been attempted, gangrene might have set in or the beaks might have been rejected because the injuries were simply too old to heal.

The effect of the salt water makes it impossible to speculate as to the exact date of the mutilation. Cage cards indicate that the first birds were brought in on October 16, but all of the birds appear to be in about the same condition. It is unclear whether the crimes were committed all in one day or if they were committed over a series of days.

The first artificial beak was attached to a bird aptly named Pinocchio on Sunday, October 24. A team of three veterinarians and two technicians worked for more than three hours to attach the prosthesis with bone cement, metal pins and plates. Pinocchio was groggy, but ate some fish on the following day, and by Tuesday he was experimenting with using his new beak. On the following Saturday when I visited, he gave my hand a respectable chomp.

Surgeries for the remaining birds are being scheduled in order of length of remaining beak. Veterinarians hope that they will learn as they go so that by the time they get to the birds with the shortest existing beaks they will know what to do.

A beak of a dead pelican was used as a mold for the prostheses. The upper beak is a complex design of ridges and grooves; the bean (the knob at the tip of the beak) is pronounced—round at the top and

*southern California*

# Aviculturist Estate for Sale

*Finest Bird Farm*



CUSTOM 3 YEAR OLD 2,600 SQUARE FOOT HOME. DOUBLE DOOR, FORMAL ENTRY AND DINING ROOM. SPACIOUS COUNTRY KITCHEN AND PANTRY. MASSIVE FAMILY ROOM AND FIREPLACE. FULLY SEPARATE LAUNDRY ROOM AND 3 CAR GARAGE. FULL MASTER SUITE WITH SUNKEN TUB.

85 Custom (4' x 12' x 8') all steel aviaries on concrete floors for easy upkeep. Exterior walls completely stuccoed to blend with house and property. All flights have fully automatic waters and metal feeders serviced from an enclosed and secured safetyflight walkway. Automatic night lights and security lighting system provides after dark access to flights.

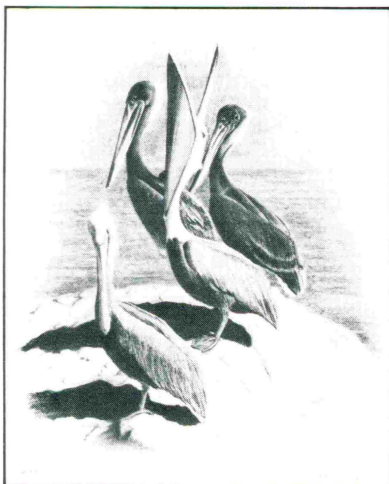


Located in Orange County's exclusive City of Yorba Linda, and fully approved and sactioned for its present use. This fully landscaped estate sized property has every amenity the modern aviculturist could want. Stock and inventory also for sale. Owner financing available or assume existing loan of \$120,000 at 11½%.

**\$365,000**  
Offered Exclusively through  
Owner-Operators  
Finest W. and Winnie Van  
(714) 524-9653

high quality black and white  
signed and numbered prints of  
*Brown Pelicans*

(*Pelecanus occidentalis*)



by *Marvin Gelder*  
west coast artist  
print size 15" x 18"

**\$35** including tax and  
shipping, U.S.A.

Make checks payable to, and order from

American Federation of Aviculture  
P.O. Box 1568 · Redondo Beach, CA 90278  
(213) 372-2988

## AVES BRASILEIRAS

### BIRDS OF BRAZIL IDENTIFICATION GUIDE

Now it's easy to discover the name of any Brazilian bird. In this book, J.D. Frisch gives the scientific name, the popular names (in Portuguese, Spanish and English) along with the habits and more than 1,560 drawings that facilitate identification by illustrating the original colors. Printed in Italy by Mondadori, this bestseller in its field now includes an Addendum translating the major parts of the text into English.



Size 6" x 9" · 356 pages

### ORDER FORM

Clip this coupon and send it, together with a check payable to  
Editora Dalgas Ecoltec Ltda.  
01416 - Rua da Consolação, 3095 - São Paulo - SP - Brasil,  
to receive your copy by mail.

Deluxe Edition for libraries US\$ 49.95  
Special Edition for field research US\$ 29.95

Please add US\$ 8.50 for air shipment

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

pointed at the bottom. The lower beak is like a slender jawbone suspending the elastic pouch that expands to hold the fish before they are swallowed.

At this time, replacement beaks are being researched and hand-crafted by Marlin Fiberglass of Huntington Beach, California. The amputated beaks weigh approximately 38 grams; the artificial beak attached to Pinocchio weighs about 60 grams. After it was shaped and cosmetically colored to match a natural beak as closely as possible, it was drilled hollow to reduce the weight, but during surgery, the core was filled with bone glue to secure the metal pins. Researchers are still looking for lighter weight materials to use in fabricating beaks for birds scheduled for future surgery.

Stress tests are being done to evaluate how much punishment the artificial beaks can tolerate, and there is on-going discussion about the pros and cons of rigid beaks vs. somewhat flexible beaks.

The future of the mutilated pelicans cannot yet be determined. Much will depend on their ability to adapt to the new beaks. If all of the criminals who did this hideous act can be captured and jailed, Dr. Roberts favors rehabilitating the pelicans and returning them to the wild.

If, in the opinion of the experts, the pelicans' ability to live normal lives seems questionable, they may become a captive breeding colony at one of the nearby wild animal facilities such as Lion Country Safari, Sea World, San Diego Wild Animal Park or San Diego Zoo. These places have professional staff to supervise the ongoing care of the pelicans and could provide support if, for instance, the replacement beaks were too awkward for them to feed their young properly.

Another concern is that the pelicans have become so tame during their hospitalization and with their dependence on hand feeding that they may have lost their fear of man enough to jeopardize their own safety if they are released.

Many people have rallied with information and donations of material and money. A sixth grade class from Huntington Beach, California held a bake sale and raised \$250 to donate to the cause.

Dr. Roberts' stack of fan mail would make a movie star envious. At the time of my visit the reward for information leading to the capture of the criminals had reached \$13,000 and was rising. Other money donated on behalf of the injured pelicans is being held in a fund for future determination. Since most of the medical care and other necessities have been donated, Dr. Roberts hopes that the donations can be used to build a laboratory and rehabilitation center for sea birds next to



Young mutilated pelicans confer with the author. A request for fish seemed to be the topic.

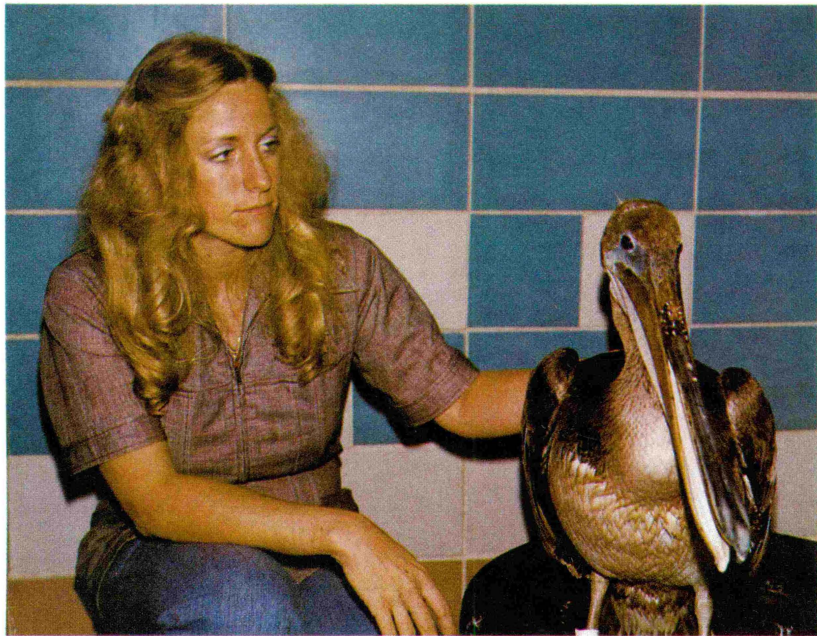
the existing hospital.

Because of its proximity to the beach and the willingness of the doctors to treat injured wildlife, the hospital receives hurt or helpless sea birds on an almost daily basis. During our interview, a very young pelican was brought in. Its beak was intact, but it had a fishing sinker connector with a string of monofilament line attached embedded in its wing web. Oil soaked birds are regular patients. Two pelicans that for some reason cannot fly were resting in a dog run. As birds recuperate, they are transported to Lion Country Safari where they are cared for until they are strong enough to fly and resume their normal lives.

During the writing of this story, more maimed pelicans have been rescued; information about the pelicans changes on a daily basis, and the total pelican story will change many more times before this article actually gets into print. At this time, questions far outnumber answers.

More beak implants will be done. They will either succeed or fail. The criminals may or may not be captured. If they are, it is doubtful that the law is equipped to justly punish such a crime.

Whatever the outcome for these specific pelicans, important learning is taking place. Public awareness about the need for protection of endangered species has been heightened by this atrocity. The



Photos by M. Jean Hessler

Dr. Gayle Roberts with her model patient, Pinocchio, the first bird to be fitted with a replacement upper beak.

medical community has been forced to explore innovative surgical techniques and experiment with new materials. The public and scientists from varied disciplines have shared pieces of information that have combined to assist this project. The learning that has taken place has broad implications in its potential to help other species.

This story does not pretend to be complete. It is, rather, the report of an afternoon with nine victims of inexplicable violence and a partially audible interview with a courageous veterinarian. Hopefully, *Watchbird* can publish an article in about six months that will tell the ending of this story.

In an effort to give credit where credit is due, although it would be impossible to name all of the people who have aided this project, major contributors have been:

**California Fish & Game Department**—the people who have rescued the pelicans and bring them their daily ration of fish;

**U.S. Fish & Wildlife Service**—the agency responsible for investigating the crime;

**Dr. Robert Rooks**, Veterinary Surgical Referral Service, Fountain Valley, California—the surgeon who developed the surgical technique to repair the pelicans, along with Dr. Rick Woerpel.

**Dr. John Hamil**, Canyon Animal Hospital, Laguna Beach, California—assistant surgeon.

**Dr. Rick Woerpel**, Animal Medical Center of Lawndale, Hawthorne, California—anesthetist.

The staff at **Crown Valley Animal Hospital**—Dayna Brooks, Lisa James, Jeff Lohre and Stacie Sherman—is responsible for keeping the pelicans alive and well on a daily basis. It is no small task to feed and clean up after a room full of hungry young pelicans. They are to be commended for the excellent condition of these birds.

Correspondence regarding the pelicans and donations can be addressed to Gayle R. Roberts, D.V.M., Crown Valley Animal Hospital, 28892 Crown Valley Parkway, Laguna Niguel, CA 92677. •



Pinocchio was left with a longer stub of his natural beak than some of the other birds, pins visible at joint area. For the birds with shorter stubs, more difficulties are anticipated.

## Negative Ions For Healthier Birds



Vital negative ions abound in the natural habitat, constantly replenished by the earth's electric and geomagnetic forces. This is, to a great extent, responsible for the removal of airborne pollutants, retardation of bacterial growth, and enhancement of the healthful quality of the air. Energized oxygen molecules and free electrons are an integral part of fresh country air.

Man-made enclosures serve to act as a shield against these forces, preventing this natural interaction from taking place and depleting the air of vitalizing negative ions. It is all but impossible to maintain a natural, healthful electrical balance in the enclosure or cage atmosphere without the use of a negative ion generating system.

ENERGEN restores nature's delicate environmental electrical balance in cages and enclosures with a highly effective, efficient environmental control system designed to continuously recycle, purify, and negatively ionize the air, maintaining a high level of oxygenation in the enclosed atmosphere — at the same time eliminating spores, pollen, dust, and markedly reducing odors.

WRITE FOR FREE INFORMATION.

**ENERGEN**  
DIVISION

Dept. W-2, Box 29259, Dallas, Tx. 75229

## HOFFMAN'S AVIARY

(704) 867-8629

Rt. 1 Box 201  
Sparrow Springs Road  
Kings Mtn., NC 28086

Macaws  
Amazons  
Cockatoos

Over 4,000 birds to choose from, some tame and talking birds!

Conures  
Cockatiels  
Parakeets

Lovebirds  
Mynahs  
Rosellas

Canaries  
Finches  
Toucans





# CLASSIFIED ADS

**CLASSIFIED RATES** — \$5.00 minimum charge for 4 lines of type (average 7 words per line). Additional charge of 9¢ per word for ad running over 28 words. (28 words to include name, address and phone.) All copy to be **RECEIVED BY 10th** day of month preceding publication. One inch boxed ad - 58 word maximum — \$12.00.

**FINCHES:** Crimsons, Owls, Blue-faced parrot, Chestnuts, Fires, Strawberries, Goulds, and Heck's. All domestically raised and closed banded. Great Lakes Aviaries, 735 Colima, Toledo, Ohio 43609. ph (419) 385-1177.

**BOOK**—Australian Parrots, Forshaw & Copper, 1980 limited edition, 2 Vols. folio size full leather, mint condition \$23.00 plus shipping. ph (602) 846-5555.

**SALESMAN WANTED** — Pet Supplies Co. in Anaheim, CA. needs only self-motivated, hard-working person for outside sales in southern California. Experience preferred. \$200 weekly plus commission plus car, bring your resume, call for interview. (714) 632-8272.

**RARE** red vented cockatoo pair, super tame and affectionate. Great for pet or breeding. \$750.00 each. Must sell due to illness. P. Fleener, P.O. Box 364, Harkers Island, N.C. 28531. ph (919) 728-2245.

Beautiful super tame **BABY MOLUCCAN COCKATOOS**. Hatched in my aviary, hand fed and raised in our home. Gloria Meeker, R.R. 2, Box 9B, Pompano Beach, Florida 33067. (305) 971-2144

**1982 HAND RAISED SUN CONURES** \$275 each. 1980 breeder age sun conures \$275 each. 1982 hand raised Jenday conures, and one pair of proven breeders \$125 each. Two super tame and very affectionate 1982 hand raised Gold capped conures \$175 each. One pair breeder age Gold capped conures \$125 each. Mack Zahler, 3215 Nth, 2450 West, Salt Lake City, Utah 84116. (801) 364-5010.

**WHITE-CAPPED** (*Pionus senilis*) male. 4 pair Yellow head parrots. 2 pair Red-lored. 2 pair Green-cheeked parrots. 2 pair Lutino Ringnecks, baby splits. George Lackey, Pharr, Texas. (512) 787-1479.

**TOCO TOUCANS** \$800; other Toucans, Toucanettes and unusual South American Birds. Other rare and unusual species! Please send s.a.s.e. for list. Eduard J. Hamilton, 3749 8th Avenue, San Diego, CA 92116. Call (619) 560-4123.

**FOR SALE**—1982 HATCH. Ring teal, 2 drakes and 1 duck (full winged). Grey & Germain's Peacock pheasants (no extra hens), Goldens, Amherst, Brilliant diamond doves, Capes, Grey jungle fowl, Crimson-winged parrots. Perry Candianides, Ventura, CA. Ph (805) 643-0912.

**SOUTHERN CALIFORNIA**, lovingly domestic raised, starting to talk, Militarys, Scarlet/military cross. Also Moluccan cockatoos, Umbrella cockatoo. Hatched June to August 1982. No shipping. Serious inquiries only. (715) 735-5985

**ONE PAIR** Blue Crowned Amazons, \$1,200. One Double Yellow-headed Amazon, mature male, \$550.00. Baby Sun Conure, \$300.00. One pair Red-lored Amazons, \$750.00. One Mealy Amazon, mature hen, \$275.00. (312) 776-9854

**UNIQUE BIRD FARM ON 5 ACRES** in prestigious Sand Canyon. 12,000 sq. ft. of aviaries, 800 sq. ft. office and storage, 1 + 1 house, huge oak trees on all usable property. \$350,000. Terms. Agent/Joyce Jakeman, (805) 255-2142 or (805) 252-5602, Canyon Country, California.

**MOVING!** Must sell. Indian ring-necks, male split to lutino. Lutino female. Have produced lutino off-spring. Normal pair, adult female. Lewis Rems, Box 314, Sisters, OR 97759. (503) 548-5451

**PARROTS, Cockatoos, Macaws, Cockatiels, Lovebirds, Conures, Doves, Finches.** Send SASE for complete list to Stan Dumke, 412 W. D. St., Ontario, CA 91762. Or phone (714) 986-2374.

**HAND-FED** baby Citron cockatoos, proven breeding pair of Citron cockatoos, pair of medium sulphur crested cockatoos, breeding age cockatiels, mutation Peach face. S/s pairs Goldies and Perfect lorikeets. Bob, (815) 469-6048 Chicago area.

**CATALINA MACAWS**, 1982 hatched and raised in our aviaries. Beautiful color (photos available). \$1,800 each. **WILD THINGS**, (601) 948-3129.

**RED-HEADED PARROT FINCHES**—domestically raised in my aviaries, \$175.00 per pair. Wayne Conley, Santa Rosa, CA (707) 576-7178.

**AVIARY HATCHED** and living room reared: Blue and gold macaws \$1,200. African greys \$800. Worthington, Ohio. (614) 436-2074

**MOVING HOME** to Australia. Need to sell true Cacatua galerita galerita male (Greater sulphur crested), 3½ years, all legal Australian imported and medical papers available. Phone evenings, (505) 865-5814.

**BABY GREEN-WINGED MACAWS**, young male Eclectus hand-fed, A. Chandler. (213) 454-6971

**BABY BLUE-EYED TRITON COCKATOOS**, very large, hand-fed, also Medium sulphur crested and Lesser babies, hand-fed. A. Chandler (213) 454-6971

**PARROTS, Macaws, Cockatoos, Greys**, plus many more! Many babies, some tame, some talk. Bird training available. Shipping OK. Excellent prices on nicely feathered, fat healthy birds! Call or write for the best prices you'll find! (Wholesale customers please include tax number.) **PARROT JUNCTION**, 5942 Abrams Rd., Dallas, TX 75231. Ph. (214) 368-4738.

**TALLWOOD AVIARY SUPPLY**  
**SILVER FLIGHT** balanced diets - Aviary supplies. Write for prices. UPS delivered. 10537 Steel Trace Court, Charlotte, N.C. 28210.

**COCKATIELS:** lutinos, lutino pearls, pearls, pearl peds, green pearl peds, cinnamons, cinnamon pearls, cinnamon pearl peds, cinnamon peds, fallows, splits of most mutations. Also, Golden mantled rosellas. Some breeders available. Will ship. Double Grove Aviary, (213) 919-5989.

**COCKATOOS:** Umbrellas, Moluccans, Lesser sulphur. **ASIAN:** Emerald collared, Long-tailed, Hanging parrots, Fig parrots, Amboina kings, others on request. Call or write to: Zoological Park For The Birds, 1775 North Rancho Dr., Las Vegas, NV 89106. ph (702) 657-4685. att. Pat Dingle.

**EXTRA BREEDING STOCK:** Male medium sulphur crested cockatoo, large and beautiful condition \$900. Pair of Lesser sulphur crested cockatoos, beautiful condition \$950 pair. A. Chandler (213) 454-6971

**PAIR SCARLET MACAWS**, surgically sexed, mature, large \$2,200. A. Chandler (213) 454-6971

**LARGE, HEALTHY COCKATIELS.** Selectively bred cinnamon-pieds, cin-pearl-pied, and splits in mt. outdoor aviaries. Others also available. So. Cal. area. Dave, (714) 827-3447

**MACAWS**—Scarlet \$950. Blue & gold \$375. **COCKATOOS**—Moluccan \$450. Umbrella \$375. Goffin's \$200. Herds of Birds, (213) 994-5215.

**LOVEABLE HANDFED** Umbrella and Triton cockatoos. Raised from the egg in a loving home. We also have 1982 hatch Ringnecks and Princess. Will trade Yellow faced parrotlets. Lannom Farm, Rt. 6, Box 2108, Escondido, CA 92025. ph (619) 749-3115.

**M/F MOLUCCAN COCKATOOS** pair, receptive, healthy, \$950 per pair. Bill Wegner, 3 Ann St., New Paltz, NY 12561. phone (914) 255-1445

**Mickey Hensel MUST SELL COMPLETE BREEDING STOCK**, furnished river home and aviaries, due to ill health. Stock includes proven pairs of macaws, cockatoos, Amazons, and greys, also S/s macaws and cockatoos. Pair of eclectus - not proven. Rt. 1, Box 222, Kankakee, Illinois 60901. phone (815) 932-9631. SASE please.

**BIRDS OF ALL TYPES**—Hoffman's Aviary, Rt. 1, Box 201, Kings Mountain, NC 28086. phone (704) 867-8629.

**FOR SALE:** male Australian greater sulfur crested cockatoo. \$2500 or trade. (602) 898-3892 or (702) 870-3500.

**"I LOVE" BUTTONS** \$1 each. I love \_\_\_\_\_ cockatiels, finches, parakeets, parrots, and pigeons. Postpaid "BUTTONS," P.O. Box 8483, Baltimore, MD 21234.

**LOVEBIRDS:** peachfaced \$15, blue peachfaced \$30, blue, and black masked \$28. English budgies \$10 to \$25. Over 1,400 lovebirds to sell during 1983. Will consider trades. Discounts and shipping on larger orders. Dealer inquiries welcome. Paul, (916) 580-2133 or Bill, (714) 776-4755.

**INFORMATIVE, HELPFUL LITERATURE** available to breeders and pet owners on feeding, accommodations, breeding, etc. for hookbills and parrot-types. Send SASE for order form to Jo Hall, Route 4, 11 Sandy Lane, Taylor, Texas 76574.

**SURGICALLY SEXED BIRDS**, Hoffman's Aviary, Rt. 1, Box 201, Kings Mountain, NC 28086. Call (704) 867-8629.

**SELLING PRIVATE COLLECTION:** pr. Green winged macaws, \$1800. male \$850.; Citron cockatoos \$1500. pr., male med. Sulphur cockatoo \$1000.; pr. Congo African greys \$1000., female \$500.—All birds SS and been in U.S. 2 to 7 yrs. Haglers, P.O. Box 2637, Bartow, FL 33830 (813) 644-3385.

BIRD BELT BUCKLES handcrafted in solid brass. Budgie, Finch, Macaw, Cockatoo and Pheasant. \$15 + \$2 postage and handling. If ordering more than one, pay only \$14 + \$2 postage for each additional buckle. Send to T. & M. Mulrone, 4689 Winnebago Avenue, San Diego, CA 92117. Enquiries welcome.

4000 BIRDS to choose from, over 200 different types: macaws, cockatoos, Amazons, cockatiels, conures, parakeets, finches, canaries, toucans, lorries, quail, doves, lovebirds, mynahs, rosellas. Visitors welcome. Send SASE for price list. Hoffman's Aviary, Rt. 1, Box 201, Kings Mountain, NC 28086. Call (704) 867-8629.

FRESHBIRD LAVA-ROC Parrot Beak Conditioner. 4" lite chain with small rock (\$13.50/doz). 4" heavy chain with large rock (\$14.50/doz). California residents add 6% sales tax. Header label and poly bag. Dealer Inquiries invited. FRESHBIRD PRODUCTS, 2011 Fillmore St., San Francisco, CA 94115. Call (415) 922-7113.

VALUABLE INSIDE TIPS from successful breeders. A new booklet (1st in a series) providing excellent information to all bird owners about sanitation, work-saving tips, new products available, aviary equipment designs, lots of clever ideas. This issue is only \$3. Send to GOLDEN WEST BIRD FARM, Rt. 2, Box 64, McMinnville, OR 97128.

SUN CONURES—surgically sexed pair (sexed by Dr. Max Weiss) immatures hatched 11/81 and 12/81, unrelated and banded, \$750. Ralph Lima (213) 709-0707, Canoga Park, CA.

HYACINTH MACAWS to zebra finches. Hoffman's Aviary, Rt. 1, Box 201, Kings Mountain, NC 28086. or call (704) 867-8629.

LADY GOULDS - Red Headed (no air sac mites) \$40 unsexed, \$50 sexed; Cuban Olive Finch; Lutino Ringneck Parakeet hen \$400; Yellow Bourkes \$275; Split Yellow Bourkes \$125; Blue Rosellas \$150; PEACHFACE Lovebirds & MUTATIONS - ALBS closed ring at wholesale prices; Cockatiels - Lutino, Grey closed rung at wholesale prices; D. CAVENDER -Moctezuma Bird Gardens, P.O. Box 1973, Escondido, CA 92025. Call (619) 741-3421. Will Ship! Trades considered.

BABY SCARLET MACAWS hatched in our aviaries! Our chicks are hand fed from day 1 and have strongly imprinted on people. These chicks absolutely adore people and crave attention. Color photos sent upon request. Avicultural Research, Dr. Steve Volk or Lisa Volk, 4614 Fairmount, Kansas City, Missouri 64112, (816) 753-1976.

SUN CONURES surgically sexed pair acclimatized to outside aviary in North Carolina. \$650. Call (919) 946-7978.

Decorative MANZANITA HARDWOOD PERCHES 36" long. Small diameter for finches and parakeets — 15 for \$25. Medium diameter for parrots — 12 for \$25. Large diameter for macaws — 10 for \$25. Extra large diameter, 6 for \$25. All orders shipped freight collect. Send check with orders to: LAURA'S BIRDS, 5693 Happy Valley Rd., Anderson, CA 96007. ph (916) 357-3100.

AUSTRALIAN FINCHES: Owls \$120 pr., Diamond sparrows \$100 pr., Heck's shafttails \$70 pr. All birds bred here in my aviary. Micky Senior (206) 745-4310, evenings & weekends (Seattle, WA)

MOLUCCAN COCKATOOS surgically sexed and very compatible pair, acclimatized to outside aviary in North Carolina. Moving, must sell—\$1500. (919) 946-7978.

BIRD STANDS FOR PARROTS, floor or on cage tops, handcrafted in cedar and cypress. Also available are play stands for smaller birds. Name tags and signs plus wood toys. Send S.A.S.E. for brochure to: JACK S WOODCRAFT, P.O. Box 16595, West Palm Beach, FL 33406.

BABIES hatched in our aviary, hand-fed, super tame and loveable. Sun conures, African greys, cockatoos, and cockatiels. Joe and Loretta Barbercheck, West Bend, Wisconsin. (414) 334-5600.

HOFFMAN'S AVIARY, 4000 birds, over 200 different types to choose from. Visitors welcome. Call (704) 867-8629 or send SASE to Hoffman's Aviary, Rt. 1, Box 201, Kings Mountain, NC 28086.

PEACH FACED LOVEBIRDS from \$12.50, all mutations. Hand-fed Jenday, Nanday and Green cheeked conures. s/s pair Red fronted macaws. Paul (714) 780-1218.

COCKATIELS, young & breeding age. Peach Face Love Birds, green, blue, pied. Red Rump Parakeets. No shipping. Wholesale inquiries welcome. Frank Sylvia, Columbia, Md., (301) 730-0587.

KAKARIKIS (yellow and red fronted), Golden mantled rosellas, scarlet chested parakeets, Indian ringnecks, cockatiels, and canaries. Domestically bred. Will ship. Call Bill (714) 287-7353, San Diego.

HOFFMAN'S AVIARY, Rt. 1, Box 201, Kings Mountain, NC 28086 or call (704) 867-8629.

COCKATOOS, MACAWS, AFRICAN GREYS: Umbrellas, Moluccans, Goffins, Citrons, Lesser Sulphurs, Green-winged and Blue and Gold Macaws, Congo Greys. We hand pick our stock from young babies to adult breeding pairs. Taming and training services. Exotic Birds Unlimited, (414) 731-7779, Wisconsin.

ROSE BREASTED COCKATOOS, hand raised babies, June/July '82 hatch. Healthy, loveable, perfect feather, \$2000 each. Bill Wegner, 3 Ann St., New Paltz, NY 12561. phone (914) 255-1445

SURGICAL SEXING SERVICES—Performed by experienced avian veterinarian. Will travel for large groups. Call for an appointment or information. Blake Milam, D.V.M. (408) 425-0945.

BABY COCKATOOS AND PARROTS—Hatched in my own aviary and handraised from day one. Greater Sulphur (galerita galerita), Umbrellas, Citrons and African Greys. Beautiful, exceptionally tame and loveable babies. Will ship. Ann Nothhaft, 110 Jamaica Ave., Medford, N.Y. 11763. (516) 289-1413.

'81 INDIAN PEAFOWL: Blue, Black shouldered, Pied. New mutant "Cameo" (brown)—first time offered. '82 hatch, all colors including new mutant combination, Black shouldered pied: plus White. Four Chukar mutants. SASE please. Richard E. Burger, 5046 Ogletown-Stanton Road, Newark, Delaware 19713. phone (302) 994-0508.

FRESHBIRD GOURMET BIRD DIETS 6 lbs/\$10. + shipping. (California residents add 6% sales tax). No need to buy extra treat seed, health grit mixtures, dried greens, fruits or wheatgerm oil—all that and more is included in the blend. Specify: canary, finch, parakeet, cockatiel/lovebird. Dealer inquiries invited. FRESHBIRD PRODUCTS, 2011 Fillmore St., San Francisco, CA 94115. Call (415) 922-7113.

NEW PRODUCTS! The Universal FOCUSCOPE tm System provides an accurate, rapid and economical way to sex birds. Kits from \$450. Hot Wire SURGICAL CAUTERIES for trimming beaks, cutting nails, stopping bleeders! \$8 each or 3 for \$20. Flexible PROBE LITES tm—battery operated transilluminators, perfect for candling eggs in the nest! \$24.95 each or 3 for \$65. Medical Diagnostic Services, Inc., P.O. Box 1441, Brandon, FL 33511. Phone (813) 685-1727.

Own inexpensive HAND-FED BIRDS THAT CAN TALK! We have Alexander and Indian ringnecks, moustache parakeets, cockatiels and budgies. Hatched in our home. References given. PARROT PALS (517) 835-1652, Michigan.

POLLEN: Mother Nature's conditioning food. Powder (birds only) \$4.50 per lb. Pellets (birds & people) \$5.50 per lb., \$5 per lb. for 5 lbs. or over, plus shipping. Follow UPS charts. Add 1 lb. for shipping container. Jim Ford, Dept. D, 7160 S. Brookhill Drive, Salt Lake City, UT 84121. (801) 943-7618.

PET PARADISE, Route 2, Laddonia, MO 63352. Pet supply catalog available. Product sheets on birds, supplies, and also on other pets. Specify pet you have. If you need an exact pet product please specify name and brand. We will quote a current price.

EXCEPTIONAL HANDFED TAME BABIES: Yellow napes, Blue fronts, Chattering lory. Very young Orange-wings, Green-wings, Mynah. Handfed baby macaws and cockatoos on order only. Breeders. (813) 872-0681.

FINCHES for sale: Lady Gouldians, Owls, Diamonds. Sacramento, CA (916) 447-4124.

SPRING SALE FALLOW COCKATIELS by original fallow breeder males and females breeding age, \$275 each. Shipped by air, health certificate by veterinarian. I. Vowels, 14551 S. W. 26th Street, Fort Lauderdale, FL 33325. Phone (305) 472-6436.

Be first to have a "HAVE YOU HUGGED YOUR LOVEBIRD TODAY" bumper sticker. \$1.50 each - plus Calif. residents add 6% sales tax. Please include a stamped, self-addressed envelope. Also have Macaw, Bird, Cockatoo, Finch, Parrot, Parakeet, Pigeon, Duck, Turkey, Canary, Dove, Quail, Pheasant, Chicken, and Computer - all "have you hugged." Send to "Winner," 1347 W. 228th St., Torrance, CA 90501.

TRITON COCKATOO, hand-fed, very tame, talking. No shipping. \$3000 firm. Paul (714) 780-9021.

1982 BABIES—SUPERTAME - HAND RAISED: MACAWS - Scarlet, Blue & Gold, Military, Green Wing, Catalina, Yellow Collar, Noble, Severe. COCKATOOS - Umbrella, Moluccan, Triton, Citron. AMAZONS - Blue Front, Double Yellow, Yellow Nape, Hispanolan, Red Head, Spectacle. CONURES - Sun, Jenday, Gold Cap, Austral, Slenderbill. We raise 16 different species of conures. CAIQUE - White Belly. RINGNECKS - Alexanderine - Indian, Lutino and Blue plus splits. COCKATIELS - All ACS banded - Normals, Lutinos, Pies, Pearls, Cinnamon, Cinnamon Pearl, Cinnamon Pied, Albino Pearl - ALSO DOMESTIC RAISED SURGICALLY SEXED PAIRS AVAILABLE - Will consider trade. TUWANA AVIARIES, 3986 10th Ave. N., Lake Worth, Fla. 33463 (SASE) (305-968-4214 or 967-0346).

