The Memphis Zoo and Aquarium has maintained green imperial fruit pigeons (Ducula aenea) since May of 1974. At present, the zoo has three adults consisting of a pair and an additional male. These are on display in the back open flight of the tropical bird house. On November 17th of 1981, we had our third successful hatching. It was named Marty Feldman because of the bulging eyes it had while a youngster. The previous two hatched out in February and May of 1980 and were raised by the parents. This third hatching is notable because it is being hand raised at the zoo's reserve bird house. The parents abandoned the nest while the youngster was pipping. The egg was removed from the nest on November 14th and placed in an incubator set at 98.5°F. On the morning of November 17th the squab hatched. Outside the reserve bird house was a pair of nesting common pigeons.

It was decided at this time to trade the youngster with a hatching of approximately the same age from this nest. After periodically observing the birds during the day, we noted the youngster was being brooded but not fed. Not wanting to take any chances, we pulled the baby to hand raise.

At first Marty was fed a very liquid formula of cooked Heinz baby cereal, KMR and small amounts of Osteoform and K-zyme. The baby cereal was cooked to aid in digestion. The bird was fed this mixture luke warm from a spoon approximately five times daily starting at 8 A.M. Feedings were scheduled for every two hours. For the first week, an evening meal was provided. Careful observation was taken to be sure the formula was not impacting in the crop. This happened once, but gentle massage cured the problem.
Green imperial fruit pigeon at approximately 25 days old.

After approximately two weeks, Heinz blended baby fruits were added. Within another two weeks, 50% of Marty's formula consisted of these blended fruits. The blended fruits were slowly substituted with chopped fruits such as apple, banana and raisins. After a few more weeks larger pieces of fruit, as in canned fruit cocktail, were given. The fruit cocktail was thoroughly rinsed to remove the sweetened syrup. At 74 days, old Marty was eating canned fruit cocktail, morning mix (a mixture of dog food, carrots, graham crackers and Heinz baby cereal), K-zyme and parrot grit. On November 19th, at two days old, the youngster weighed 17.25 grams. At the time of this writing, Marty is 83 days old and weighs 422.00 grams. (See Table 1 for schedule of weight gains.)

Ducula aenea, their scientific name, are found in India, Ceylon, Burma, the Adamans, Thailand, Indo China, Malay Peninsula, the Phillipines and Indonesian Islands. They are light, grayish-green above and pale gray below. The sexes are alike and are approximately 18 inches in length. In the wild these fruit pigeons frequent low-lying forest regions and are rarely found at elevations above 1,500 feet. They are shy birds and usually keep to the tops of high trees. Feeding in the cool of early morning and evening, they sometimes gather in small flocks in trees heavy with fruit. Strong feet with broad, flattened toes make it easier for them to move about the branches. They are seldom seen on the ground, except to drink. Flexible mandibles enable them to gape wide enough to swallow large fruits whole. The flesh of the fruit is digested and the hard seeds are later regurgitated.

Table 1. Schedule of Weight Gains

<table>
<thead>
<tr>
<th>Day</th>
<th>Weight (grams)</th>
<th>Gain/Loss (grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>17.25</td>
<td>(1st day weight)</td>
</tr>
<tr>
<td>4</td>
<td>18.50</td>
<td>+ 1.25</td>
</tr>
<tr>
<td>5</td>
<td>20.00</td>
<td>+ 1.50</td>
</tr>
<tr>
<td>6</td>
<td>19.75</td>
<td>- 1.25</td>
</tr>
<tr>
<td>7</td>
<td>21.25</td>
<td>+ 1.50</td>
</tr>
<tr>
<td>8</td>
<td>22.75</td>
<td>+ 1.50</td>
</tr>
<tr>
<td>9</td>
<td>25.50</td>
<td>+ 2.75</td>
</tr>
<tr>
<td>10</td>
<td>30.75</td>
<td>+ 5.25</td>
</tr>
<tr>
<td>11</td>
<td>33.25</td>
<td>+ 2.50</td>
</tr>
<tr>
<td>12</td>
<td>37.00</td>
<td>+ 3.75</td>
</tr>
<tr>
<td>13</td>
<td>41.00</td>
<td>+ 4.00</td>
</tr>
<tr>
<td>14</td>
<td>41.00</td>
<td>same</td>
</tr>
<tr>
<td>15</td>
<td>50.75</td>
<td>+ 7.75</td>
</tr>
<tr>
<td>16</td>
<td>56.75</td>
<td>+ 6.00</td>
</tr>
<tr>
<td>17</td>
<td>61.50</td>
<td>+ 4.75</td>
</tr>
<tr>
<td>18</td>
<td>66.50</td>
<td>+ 5.00</td>
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<tr>
<td>19</td>
<td>70.00</td>
<td>+ 3.50</td>
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<tr>
<td>20</td>
<td>74.25</td>
<td>+ 4.25</td>
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<tr>
<td>21</td>
<td>77.75</td>
<td>+ 3.50</td>
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<tr>
<td>22</td>
<td>86.50</td>
<td>+ 8.75</td>
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<tr>
<td>23</td>
<td>92.50</td>
<td>+ 6.00</td>
</tr>
<tr>
<td>24</td>
<td>94.00</td>
<td>+ 1.50</td>
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<td>25</td>
<td>102.50</td>
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<td>26</td>
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<td>27</td>
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<td>28</td>
<td>133.25</td>
<td>+ 11.25</td>
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<tr>
<td>29</td>
<td>128.00</td>
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<tr>
<td>30</td>
<td>135.50</td>
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<tr>
<td>31</td>
<td>133.00</td>
<td>- 2.50</td>
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<tr>
<td>32</td>
<td>137.00</td>
<td>+ 4.00</td>
</tr>
<tr>
<td>36</td>
<td>153.50</td>
<td>(the remaining weights are given for longer periods than one day)</td>
</tr>
<tr>
<td>39</td>
<td>168.50</td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>183.40</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>216.50</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>248.00</td>
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<tr>
<td>63</td>
<td>334.75</td>
<td></td>
</tr>
<tr>
<td>70</td>
<td>446.00</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>465.25</td>
<td>(diet switched to mostly fruit)</td>
</tr>
<tr>
<td>79</td>
<td>410.50</td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>422.00</td>
<td></td>
</tr>
</tbody>
</table>

Acknowledgements: We would like to thank Cliff Ross, Curator of Birds, and John Stokes, Asst. Curator of Birds. Also, we appreciate the assistance of all of the other keepers in the bird department at the Memphis Zoo and Aquarium.

Green imperial fruit pigeon at approximately 83 days old.
October 2, 1982
Boston Society for Aviculture, Inc. presents their 3rd Annual Bird Show at the Weston Town Hall Route 128, exit 49, Weston, MA Judges:
Finches & Softbills—Bill Parlee Parrots & Cockatrices—Dr. AI Decoteau Eng. & Amer. Budgies—Linda Rubin Border Canaries—John Magee Gloster Canaries—Pat Varian Type Canaries—John Bradbury Colorbred—Jan Stachurski Amer. & Variety Singers—Diana Lesieur Show manager: Tim Connor (617) 834-8978 795 Plain St., Marshfield, MA 02050

October 16, 1982
Central Ohio Bird Fanclers present their 41st Annual Show at Woodward Park Jr. Hi School 5151 Karl Rd., Columbus, Ohio Judges:
Colorbred—Bill Henderson Type—Robert Ross Exotics & Budgies—David Guinn Show sec., Peg Larson 9767 Blacksnake Rd., Utica, OH 43080

October 29, 30, 1982
Gold Coast Exotic Bird Club presents its Annual Open Show on the beach at the Holiday Inn. Oceanside, at A1A and Las Olas Blvd. Ft. Lauderdale, Florida Rm. reservations call (800) 238-8000 Judges:
Budgies—Walter Loepe Color canaries—Tony Bucci Type canaries—Dr. Ramon Zardan Cockatiels—Nellie Herry Exotics—C. Meinert Everyone welcome! For information contact show mgr.: Craig Davis, P.O. Box 15056, Plantation, FL 33318

October 9, 1982
Smoky Mountain Cage Bird Society presents their Annual Bird Show at the Senior Opportunity Center 36 Grove St., Ashville, NC 28802 Judge, Ray Johnson Entries taken until 10:30 a.m. For information contact James L. Cody, show sec. 337 Wilson Ave., Swannanoa, NC 28778

September 25, 1982
Minnesota Cage Bird Association presents its 6th Annual Exotic Cage Bird Show to be held at the Burnsville Shopping Mall Hwy. 35W and County Rd. 42 Burnsville, MN Judge, Ralph Bowman for information call show sec. Donna Boller (612) 937-8110

November 18 - 19 - 20

October 23, 1982
New Hampshire Cage Bird Association presents its Annual Bird Show at the Holiday Inn, Nashua, NH 10 a.m. - 4 p.m. Judges:
Parrots—Dr. John Moore American Budgies—Sarah Moore English Budgies—Linda Rubin Border Canaries—John Bradbury Glosters—Jan Stachurski Colorbred—Tony Antonian Cockatiels & Finches—Bill Parlee Show chm., Dr. AI Decoteau (617) 649-6103 Groton Rd., Dunstable, MA 01827

October 23, 24, 1982
Motor City Bird Breeders presents its Annual Bird Show at St. Stephen's Hall 4330 Central, Detroit, MI Judges:
Type I—Sig Larson Type III—Dr. Raymond Hipwacki Red Factor—Carl Welsch Budgerigars—Don Langell Foreign—Charles Anchor American Singer—Aledine Walo Show Sec.: Kit Boles (313) 286-5954 40227 Garfield, Mt. Clemens, MI 48042

October 24-25, 1982
Central Alabama Avicultural Society will be hosting an All County Pet Fair to be held in Montgomery, AL For information contact: Hubert B. Ward, Sec./Treas. Rt. 1, Box 452-W, Selma, AL 36701

November 3, 4, 5, 1982
Great Western Budgerigar Society, Inc. will host its All American Budgerigar Exhibition aboard the Queen Mary. Long Beach, CA Judges:
Norman Byer, Anthony Gloia, Hugh Wilson Contact show sec. for information. Eleanor Bowman 1102 Riviera Dr., Santa Ana, CA 92706

October 1, 2, 1982
Mid America Cage Bird Society presents its 7th Annual MACBS Show at Howard Johnson North 4800 Merle Hay Rd., Des Moines, IA 50323 Judges:
Canaries—Fred Moss Budgies—Len Adams Foreign Birds—Ralph Bowman For information contact Flo or Dorward Horrell (515) 277-1956 3941 28th, Des Moines, IA 50310

October 29, 30, 31, 1982
Fresno Canary and Finch Club presents its Annual Show at Fresno District Fairgrounds Judges:
Red Factor—Chuck Hudson, IL Type—Pat Kane, WA Budgie—Steve Wilson, CA Finch—Val Clear, IN Hookbill—Hank Johnson, CA This show will be presented in conjunction with ABS Regional Show, West Coast for more information call Brian Mandarich, (209) 255-6508

November 16, 19, 20, 1982
5th National American Cockatiel Society Show to be held in conjunction with the 34th National Cage Bird Show at the Pittsburgh Hilton (412) 391-4600 Gateway Center, Pittsburgh, PA A.C.S. Panel Judge—Bert McAuly, Tulsa, OK. For information contact Nancy A. Reed, (203) 688-4069 55 Sunnyfield Dr., Windsor, CT 06095

November 5th, 6th 1982
Annual Open Show presented by the Missouri Cage Bird Association at the Harley Hotel of St. Louis 13440 Riverglen Drive Earth City, MO Show Secretary: Rae Bouckaert 9515 Craigwood Terrace St. Louis, MO 63126 Judges
Color bred — Bonnie Williams Type — Pat Williams American Singers — Adelaide Walo Budgerigars — Gill Barboza Hookbills and Wild birds — Earl Courts

42
October 23, 1982  
Charlottesville Finch Society  
will hold its  
7th Annual All Breeders Show  
at the St. Petersburg  
National Guard Armory  
3601 38th Ave., S., St. Petersburg, FL  
Judges: Finches/Softbills—Russ Snyder  
Psittacines—Conrad Meinert  
Cockatiels—Nellie Henry  
Colorbred Canaries—Ignacio Perea, Sr.  
Type Canaries—Gus Piro  
American Singers—E. Gurrittson  
For information contact: Lynn Wizeycki  
8316 N. Blvd., Tampa, FL 33604

October 13, 14, 1982  
Golden Gate Avian Society  
presents its  
Annual Bird Show  
Alameda County Fairgrounds, Pleasanton, CA  
(680 Freeway-Bernal Ave. exit)  
Judges: Exotics—Gene Hall  
Finch—Brian Mandarich  
Budgie—Vic deVictoria  
Canary Types—Gabe Dillon  
Red Factor—Mike Harbushka  
Show Manager, Charlene Johnson  
(415) 462-6393

October 1, 2, 1982  
Mid American Cage Bird Society  
presents its  
7th Annual Show  
at Howard Johnson, North  
4800 Merle Hay Road  
Des Moines, Iowa 50323  
Judges: Canaries—Fred Moss  
Budgies—Len Adams  
Foreign—Ralph Bowman  
for information contact show sec., Flo Horrell, (515) 277-1956  
3941 29th St., Des Moines, IA 50310

September 19th 1982  
6th Annual Bird Fair  
presented by  
Missouri Cage Bird Association  
at the  
Kolping House  
4035 Keokuk St., St. Louis  
Contact Show Chairman Carol Herbold  
2841 Telegraph St., St. Louis, Mo. 63125  
(314) 894-0477

October 15, 16, 17, 1982  
Massachusetts Cage Bird Association  
will hold its  
1982 All Bird Show  
at Reed Community Bldg., Route 3A, Kingston, MA  
Judges: Finches & Softbills—Clark Spencer  
Hoodbirds—Arthur Freud  
Type Canaries—Manny Silva  
Color Bred Canaries—Gerry Brisson  
Singers—Rita Brisson  
Cockatiels—ACS Panel Judge, Nancy Reed  
for information contact Show Manager Natalie Molaver (203) 756-1753  
28 Piping Rock Drive  
Waterbury, CT 06706

October 15, 16, 1982  
Greater Kansas City Avicultural Society  
will host its  
Fifth All-Bird Show  
at the Heritage Inn  
15201 S. 71 Hwy., Grandview, MO  
For information contact Karen S. Pettee (816) 358-6534  
6655 Maywood, Raytown, MO 64133

November 5, 6, 7, 1982  
American Canary Fanciers Association  
presents its  
Third Annual Show  
at the Hacienda Hotel (LA Airport)  
525 N. Sepulveda, El Segundo, CA  
(213) 322-1212  
Judges: Melanin—Geoff Walker, England  
Lipochrome—Blanco Hernandez, FL  
Type—Gino Abbate, NJ  
Border—Jim O’Connor, CA  
For information call or write: Tony Bucci. (213) 833-7349  
1605 W. 20th St., San Pedro, CA 90732

November 26, 27, 28, 1982  
Santa Clara Valley  
Canary & Exotic Bird Club  
will hold its  
Annual Show  
at the Peterson Jr. High School Cafetorium  
Santa Clara, CA  
Judging: Sat. 27th all day.  
(Budgie judging new this year)  
For information contact: Ron Mercier  
3382 Olsen Dr., San Jose, CA 95117

November 6, 1982  
Gulf Coast Bird Breeders Club  
presents their  
Annual Open Show  
at the Holiday Inn  
Riverfront-Holidome  
2006 W. First St., Ft. Myers, Florida  
Jim Duke—Budgies  
Juanita McClain—Exotics  
B.W. Hardingham—Amer. Singers  
Louis Macziga—Canaries  
Contact Show Chairman Richard Muench  
P.O. Box 07006  
Ft. Myers, FL 33907

October 23, 24, 1982  
Central Alabama Avicultural Society  
will presents its  
Annual All Feather Bird Fair  
at the Holiday Inn East  
E. Bypass at I-85  
For information contact  
Show sec., Hubert Ward, Montgomery Zoo  
P.O. Box 979, Montgomery, AL 36108-0313

October 27, 1982  
Ohio Valley Cage Bird Club  
will hold its  
Annual Show  
at the Harley Hotel, Cincinnati  
Judges: Mrs. Louise Loepeke—Budgies  
Marvin Bues—Canaries  
Richard Ryan—Exotics  
For information contact: Mary C. Hempel  
9173 Trelawney Ct.  
Cincinnati, Ohio 45239  
(513) 521-5014