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### Winter 1994

(December)

# New Records of Two Fruit-piercing Moths Encountered in Louisiana and Other Southern States

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Two tropical species of Noctuidae, Gonodonta pyrgo (Cr.) (Fig. 1), and Eudocima materna (L.) (Fig. 2), are known to occasionally reach the southern portions of the United States. In recent years, I have collected three specimens each of these two species using ultraviolet light traps, and both are newly reported for Louisiana.

Todd (1959) reviewed the genus *Gonodonta* Hubner, noting 37 species, 30 of which are known from Venezuela. In the U.S. Todd listed pyrgo from Pima County, Arizona and Cameron County, Texas. The type locality of pyrgo, a common and widely distributed species, is Surinam. This species is injurious to citrus and other fruits in the tropics, sometimes causing 100% crop loss.

In Louisiana there is a small, persistent citrus industry in the warmer, southern, usually coastal parishes. Citrus grown in Louisiana include: oranges, naval oranges, grapefruit, kumquats, tangelos, mandarines, lemons, and tangerines. The dates of capture for pyrgo in Louisiana are: July 12 and 15, 1991, and December 8, 1983, at St. Tammany Parish, sec. 24,76, SR12E, 6.2 km NE Abita Springs, and West Feliciana Parish, sec. 76,71S, R3W, 3.2 km NE Turnbull/Weyanoke. Edward Knudson reports that Andre Blanchard took several specimens of pyrgo in Texas from Jeff Davis and Cameron Counties. In Mississippi, Rick Kergosien collected one pyrgo on July 20, 1991 at Long Beach, Harrison County (a new state record). There is no evidence that pyrgo is a permanent resident, though the larval foodplant for some species of Gonodonta is listed as Persea sp. (Lauraceae). Two

continued next page

No. 4

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Virginia Tom Allen WV DNR Ward Road Elkins, WV 26241 species, P. borbonia (L.) and P. palustris (Raf.) (Brown, 1945), occur commonly in some areas of southern Louisiana. The actual host for pyrgo remains unknown.

U.S. records of the large, beautiful species *Eudocima materna* are few. The species was described in 1767 from Asia, and is reported in Pinhey (1975) to occur in portions of the Ethiopian region of Africa, southern Asia, and Australia. *E. materna* is pictured in Pinhey, Holland (1903), and Kimball (1965). Holland listed its occurrence in the U.S. to be Florida, and Kimball cited two Florida specimens: sight record, March 29, 1963, Escambia County, and April 30, 1956, Bell Glade, Palm Beach County, Gadsden County, Florida. John Heppner provided and additional Florida record from the state collection (FSCA) taken May 18, 1971 at Gainesville, Alachua County.

Mix (1988) reported the capture of one female from North Carolina on November 8, 1983. In Texas, Edward Knudson reports that Andre Blanchard captured one specimen September 26, 1971 at Artesia Wells, LaSalle County. Charles Bordelon captured one specimen September 29, 1976 at Longview, Gregg County, Texas. The three Louisiana specimens were collected on March 5, 1989, May 9, 1991, and February 12, 1994, all at St.

Tammany Parish, sec. 24,T6, SR12E, 6.2 km NE Abita Springs.

**Acknowledgments** 

I thank the following individuals who supplied specimens and information: Charles Bordelon, John Heppner, Rick Kergosien, Edward Knudson, and Stephen Mix.

#### Literature Cited

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Mix, Stephen. 1988. Parting Shots, South. Lepid. News 9:23.

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Todd, E. L. 1959. The fruit-piercing moths of the genus Gonodonta Hubner (Lepidoptera, Noctuidae). USDA Tech. Bull. 1201.

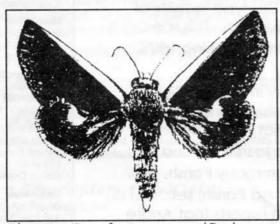


Fig. 1. Gonodonta pyrgo (Cr.)

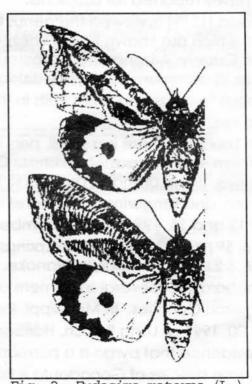


Fig. 2. Eudocima materna (L.) upper: male, lower: female

#### STATE FIELD REPORTS

Individual state reports are to be sent to the coordinator of the state to which the information pertains. The coordinator's job is to validate the information (insure proper identification Etc.) and assimilate it into his report which is published in this section of each issue. Sight records for skippers and moths are generally not accepted since misidentification is too easy. Sight records for most of the larger well known species of moths and butterflies are acceptable if from an experienced observer. REPORTS ARE TO BE SUBMITTED VIA THE PROPER STATE COORDINATOR. The name and address of each state coordinator is on the cover of each issue. Reports from states without a coordinator may be sent directly to the Editor.

No fall reports were furnished from the following states: ALABAMA, ARKANSAS, LOUISIANA, SOUTH CAROLINA, TENNESSEE and VIRGINA.

NORTH CAROLINA: The following was supplied by Steve Hall. Species of special interest in bold.

BRUNSWICK County, August 29-30, 1994. Bo Sullivan, Richard Broadwell, Brad Smith and Steve Hall found the following in pine flatwoods and savannas, freshwater tidal marsh: Epargyreus clarus, Urbanus proteus, Erynnis zarucco, Pyrgus communis, Hylephila phyleus, Nastra lherminier, Lerema accius, Ancyloxpha numitor, Copaeodes minima, Polites themistocles, P. vibex, Atrytone logan, Problema bulenta, Poanes viator, Euphyes dion, E. dukesi, Panoquina ocola, Papilio palamedes, Colias eurytheme, Phoebis sennae, Eurema lisa, E. nicippe, Calycopis cecrops, Strymon melinus, Celastrina sp., Calephelis virginiensis, Junonia coenia, Euptoieta claudia, Limenitis archippus, Neonympha areolata, Cercyonis pegala, Danaus plexippus.

CUMBERLAND County, August 24, 1994. Steve Hall and Erich Hoffman found the following in frequently burned sandhill swale: *E. zarucco, H. phyleus, Hesperia attalus, Amblyscirtes reversa, A. alternata, P. polyxenes, P. glaucus, P. troilus, P. palamedes, P. sennae eubule, E. lisa, C. cecrops, S. melinus, Everes comyntas, J. coenia, Phyciodes tharos, N. areolata septentrionalis, C. pegala, D. plexippus, Stiria rugifrons.* 

DARE County, June 2, 1994. Steve Hall collected the following in non-riverine swamp forest, white cedar forest, high pocosin, brackish marsh: A. logan, Poanes aaroni, Oligoria maculata, P. panoquin, P. glaucus, P. palamedes, Satyrium liparops, E. comyntas, J. coenia, Vanessa virginiensis, P. tharos, N. areolata septentrionalis, C. pegala, Exyra ridingsii, Acrapex relicta (common).

HOKE County, June 2, 1994. Steve Hall and Erich Hoffman in xeric sandhills and streamhead pocosin ecotones: E. clarus, Thorybes bathyllus, E. horatius, H. attalus, P. themistocles, P. origenes, P. vibex, Wallengrenia otho, S. calarus, S. melinus, V. virginiensis, J. coenia, P. tharos, Herneuptychia sosybius, N. a septentrionalis, N. mitchellii francisci, Exyra fax, E. ridingsii, E. semicrocea

HOKE County, August 24 & 27, 1994. Steve Hall and Erich Hoffman in xeric sandhills, hillside seeps, pocosin ecotones: A. lyciades, T. bathyllus, E. horatius, E. zarucco, E. baptisiae, L. accius, H. attalus, W. otho, P. troilus, P. sennae eubule, C. cecrops, E. comyntas, J. coenia, P. tharos, Enodia creola, H. sosybius, N. a septentrionalis, C. pegala, D. plexippus, Schinia nundina.

**TEXAS:** Year end report filed by Ed Knudson. All in all 1994 was a very good year, except for draught in the western part of the state.

John R. Westerfield of Moulton, Tx., reported two great butterfly catches: *Dryadula phaetusa*, Moulton, Lavaca Co., Nov. 22, 1994; and *Smyrna blomfildia*, Nordheim, Dewitt Co., Dec. 16, 1990.

Charles Bordelon Jr. & Ed Knudson made a late visit to the lower Rio Grande Valley Dec. 3-7. They did not find many butterflies until the last few hours of the trip, at Penitas, western Hidalgo Co. They found 70 species on the wing around Penitas on Dec. 6, including the hairstreaks: *Siderus tephræus* and *Rekoa marius*. An, as yet, indeterminate sp. of *Anthanassa* was also collected (more on this later). Moth collecting in the Brownsville area was very good earlier in the trip, with 3 or 4 probable new US record Noctuids found at Audubon Palm Sancturary (permit required). Baiting trees in the Palm grove proved very good, with at least 75 species of moths identified at bait in two successive nights. For those interested in what comes to bait in S. Texas see the listing below.

Moths at bait: Audubon Palm Sanct. Dec. 3-5, 1994: Noctuidae: Hypocala andremona, Zale lunata, Z. obsita, Z. fictilis, Z. peruncta?, Coxina cinctipalpis, Mimophisma delunaris, Heteranassa mima, Anomis erosa, A. flava, A. exacta, A. illiata, A. catagellus?, A. impasta, Isogona scindens, I. snowi, I. tenuis, Focillidia texana, Lesmone detrahens, L. fufius, L. hinna, Ephyrodes cacata, Metria bilineata, Condica cupentia, C. sutor, C. albigera, Draudtia morsa, Elaphria grata, E. nucicolora, E. agrotina, E. exesa, Peridromia saucia, Agrotis ipsilon, A. subteranea, A. infecta, Ascalapha odorata, Litoprosopus confligens?, Itomia poistographa?, Mocis latipes, M. disseverans, Gonodonta sinaldus, Helia agna, Amyna octo, A. bullulla, Melipotis agrotoides, M. acontioides, M. famelica, M. idomita, Renia rigida, Hypena? sp., Metalectra sp., Platypena scabra, Tetanolita floridana, Bleptina caradrinalis, Tyrissa multilinea, Magusa orbifera, Spodoptera latifascia, S. ornithogalli, S. frugiperda, Micrathetis triplex, Leucania humidicola, Orthodes furtiva, Bendisodes æolia, Goniapteryx servia, Plusiodonta compressipalpis, Pseudoplusia includens; Geometridae: Erastria decrepitaria, Eusarca subflavaria, Hammaptera parinotata, Prochoerodes olivata, Semaeopus cantona, S. marginata, Ptychamalia dorneraria, Chloropteryx nordicaria; Arctiidae: Lophocampa armulosa; Pyralidae: Munroeodes thalesalis, Lamprosema baracoalis, L. sp., Bicilia iarchasalis, Diaphania hyalinata, D. modialis, Spoladea recurvalis; Gelechiidae: Dichomeris citrifoliella, D. sp.

#### GEORGIA: Dr. James Adams supplied the following personal report.

Here are several 1994 records (unless otherwise noted) for newly discovered species in NW Georgia, and additional records of uncommon or unusual species. This has been an extremely interesting year, as I have added numerous surprising species to the local list, even though overall numbers have been down. The lower numbers are probably because of the extremely wet conditions this year, and the potential drowning and/or fungal and bacterial disease such conditions may bring. Most newly listed moth species are almost undoubtedly county records. New area records in **bold**.

Records are from Dalton or Rocky Face (Whitfield Co.) unless otherwise specified. Specimens from Cooper's Creek Rec. Area, Union/Fannin Cos. are represented by "CC."; from Cohutta overlook, Fort Mountain, 3km. east of the Murray/Gilmer Co. line are represented by "Coh."; from 8km. W of Chatsworth, Murray Co. are represented by "Mur."; from Carbondale, Whitfield Co. by "Car."; from Villanow, Walker Co. by "Vil."; from Taylor Ridge, 10km. W of Villanow, Walker Co. by "Tay."; and from Pigeon Mountain Rec. Area, W of LaFayette, Walker Co. by "Pig.".

Butterflies: NYMPHALIDAE: *Speyeria aphrodite*, 18 June, and 2 July (CC.); *Polygonia faunus smythii*, common, 18 June and 2 July (CC.); LYCAENIDAE: *Incisalia augustus*, 8 April (Tay.); *Glaucopsyche lygdamus*, common this year, April (Tay.); HESPERIIDAE: *Erynnis martialis*, 20 April; *Nastra Iherminieri*, 18 June (CC.).

Moths: SATURNIIDAE: Callosamia promethea, male at 4:30 P.M., 24 April (Tay.); Helileuca maia, common. 9-20 Nov. (Tay.); APATELODIDAE: Olceclostera angelica, female, 8 June (Vil.); SPHINGIDAE: Sphinx kalmiae, common again this year, but first collected 29 April (EARLY DATE?); S. franckii, 8 June and 2 July (Vil.); Manduca jasminearum, 30 July (Car.); Paonias astylus, 30 July (Car.) and 4 Aug. (16km. N of Pine Mountain, Troup Co.); MIMALLONIDAE: Lacosoma chiricota, male, 30 July; NOCTUIDAE: Catocala sappho, 18 July, also 9 July (Coh.); C. clintoni, 8 June (Car.); C. connubialis, common, June; C. insolabilis, common, Aug.; C. illecta, 8 June (Mur.); C. orba, 26 June, also 9 July (Car.); C. pretiosa, 8 June; C. luctuosa, 27 July, 1993; C. cerogama, 13 Aug. (Coh.); Baileva doubledavi, 28 June; Zanclognatha laevigata, common; Abrostola ovalis, 7 July, 1993; Argillophora furcilla (STATE RECORD?), 16 June, 1993 (Coh.); Spragueia apicalis apicella (female), 25 Aug. (Mur.); Stiria rugifrons, 25 Aug. (Mur.); Papaipema birdi, 25 Aug. (Mur.); P. furcata, extremely common, Sept.- Oct.; P. polymniae, 17 Oct. (Car.); P. cerrusata, 1 Oct. (Mur.), also 19 Sept., exit 169 (Wildwood) off I-24 Dade Co.; P. impecuniosa (2), 9 Nov. (1 from Mur.); Schinia bina, 16 Aug. (Mur.); S. bifascia, 25 Aug. (Mur.); Lithophane innominata, common, Oct. - Nov.; Orthosia rubescens, 11 March, 1991; Idia forbesi, 13 Aug. (Coh.); Polia goodelli, 24 Sept.; Apamea mobilis, 13 Aug.; ARCTIIDAE: Cisthene kentuckiensis, 6 July; Spilosoma latipennis, 11 May (ova collected and larvae reared with some success on Taraxacum officionale); Grammia figurata, 18 July, also 11 May (Car.), and 30 July (Mur.); G. phyllira (male and female) 9 July (Mur.), and female 1 Oct. (Mur.); two G. oithona (STATE RECORD?), 18 July (Mur.); Haploa contigua, 18 June (CC.); Pagara simplex (LATE) 9 Nov. (Mur.); GEOMETRIDAE: Erranis tiliaria, 9 Nov. (very early for Dalton -- usually a late Nov./Dec. moth); Lytrosis sinuosa, 8 June (Vil.); Pero zalissaria, 23 May; Semiothisa quadrinotaria, 24 April (Pig.); three Euchlaena irraria, 8 June (Vil.); NOTODONTIDAE: Hyparpax aurora, 22 May and 8 June (CC.); LIMACODIDAE: Phobetron pithecinum, 6 Aug. (Pine Mtn., Harris Co.); COSSIDAE: Inguromorpha basalis, 14 June; INCURVARIIDAE: Tegeticula yuccasella, 5 June.

A few other species of Catocala new to the area have been sent to Larry Gall for positive identification.

SOUTH CAROLINA. Ron Gatrelle reported the following.

Little time was available to spend in the field from the end of September through the end of the year. Overall, the numbers of species and individuals seen in 1994 was quite low. On September 14 while surveying (for USFWS) the Sandhills State Forest and the Sandhills National Wildlife Refuge in Chesterfield County (for Atrytone arogos) less than 10 butterflies were seen of the following species: Papilio trolius (2-3), P. glaucus (1), Pieris rapae (1), Polites vibex (2-3), Phoebis sennae eubule (2-3). Three species of Schinia were observed, one of which was fairly common on blazing star after 5:00 PM.

Winter has been mild with above average rainfall. January yielded dwarf forms of *Colias eurytheme*, *Junonia coenia* and *Vanessa virginiensis* flitting about the yard, and the occasional winter emerging *P. s. eubule*.

An early spring is expected again this year.

FLORIDA. Following the 1994 annual meeting several parties headed into the field to collect in various areas. On September 5 Jeff Slotten, Steve Hall and Ron Gatrelle collected in the northern section of the Ocala National Forest in Marion and Putnam counties and found it to be especially note worthy. Not only were many species on the wing, but most were common to abundant -- especially the swallowtails. The following is a fairly complete list of species observed at this location: butterflies: Battus philenor, Eurytides marcellus, Papilio glaucus, P. polyxenes asterius, P. troilus "ilioneus," P. palamedes, Heraclides cresphontes (1), Pontia protodice, Pieris rapae, Zerene cesonia, Phoebis sennae eubule, Eurema lisa, E. daira, E. nicippe, Nathalis iole, Atlides halesus, Calycopis cecrops, Strymon melinus, Mitoura grynea sweadneri (1), Everes comyntas, Libytheana bachmannii, Agraulis vanillae nigrior, Heliconius charitonius tuckeri, Euptoieta claudia, Phyciodes phaon, P. tharos, Vanessa virginiensis, V. cardui, Junonia coenia, Anartia Jatrophae guantanamo, Basilarchia archippus "watsoni," Cyllopsis gemma, Hermeuptychia sosybius, Danaus plexippus, D. gilippus berenice; skippers: Epargyreus clarus, Urbanus proteus, Achalarus lyciades, Thorybes bathyllus, T. pylades, T. confusis (1), Erynnis horatius, E. zarucco, Pyrgus communis, Nastra Iherminier, Lerema accius, Copaeodes minimus, Hylephila phyleus, Hesperia attalus slossonae, Polites themistocles, P. origenes, P. vibex, Wallengrenia sp, Atalopedes campestris, Atrytone arogos (1 RG) (larvae on Sorghastrum JS), Euphyes arpa (1), Lerodea eufala, Oligoria maculata, Panoquina ocola, P. panoquin (1).

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Adair, Lee, 810 Gascon Place, Temple Terrace, FL 33617.

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Allen, Tom, P.O. Box 132, Elkins, WV 26241, 304-636-0856.

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Anderson, R. A., 836 Amelia Ct. NE, St. Petersburg, FL 33702, 813-525-0785; Roph., esp. Theclinae, Hesperioidea; col. exch.

Arbogast, Richard T., 2008 SW 76th Terrace, Gainesville, FL 32607, 912-925-6270; Butterflies (primarily) and moths; rearing and life history, diversity, distribution. Also popular dynamics of stored product moths.

Arthur, Ms. Freddy, The Butterfly Barn, P.O. Box 214, McClellanville, SC 29458-0643, 803-887-3938; Roph., esp. Nymphalidae and Papilionidae; rearing, correspondence with other butterfly and moth breeders welcome.

Ashby, Thomas L., 667 Halifax Drive, Mobile, AL 36609, 205-660-0418; Morpho, Ornithoptera, Troides, Trogonoptera, Agrias, Alcides, Urania; col, exch., buy.

Babcock, Sarah, 3441 19th Avenue SW, Naples, FL 33964.

Bailey, Tom B., 86 Magnolia Gardens Dr., Covington, LA 70433, 504-893-3791; Butterfly gardening, birding.

Balogh, George, 6275 Liteolier, Portage, MI 49002; N.A. Leps., esp. Geometridae, Pyralidae.

Beauchamp, Debbie J., Rt. 2, Box 21, Milsap, TX 76066; Texas & NA butterflies; collect, paint, sketch, conservation.

Beck, Andrew, Casa Irena, 3371 Knight St., Jacksonville, FL 32205-7858, 904-384-8474.

Beiriger, Robert L., 711 Forest Club Dr. #408, West Palm Beach, FL 33414, 407-793-4177; Lep: col. rear; beetles: col.; insect photography.

Belmont, Bob, P.O. Box 2626, Naples, FL 33939, 813-455-9225; Geometridae of America north of Mexico.

Calhoun, John V., 1731 San Mateo Dr., Dunedin, FL 34698, 813-786-4371; Hesperiidae, Pieridae; butterfly distribution in FL and Ohio.

Chapman, Michael L., 213 Brighton Cr., Brunswick, GA 31525, 912-262-6370; Butterflies of GA coast, esp. Hesperiidae.

Chuah, Dr. Hoe H., 7746 Spruce Haven Dr., Houston, TX 77095; Butterflies; col., photography, life history.

Clark, Dale, 11518 Desdemona Dr., Dallas, TX 75228, 214-941-5806; Lep.; collect, rear, trade.

Clark, Morris, 575 Bobwhite Dr., Pensacola, FL 32514.

Colorado State University Libraries, Serials Department, Ft. Collins, CO 80523.

Conway, Patrick J., 4533 Stanley Ave., Downers Grove, IL 60515, 312-852-5934; N.A. Lepidoptera.

Covell, Charles V., University of Louisville, Dept. of Biology, Louisville, KY 40292-0001, 502-456-6122, (work) 502-852-6771; Geometridae of New World, esp. Sterrhinae; New World Theclinae; KY Lepidoptera.

Coyle, Ray, P.O. Box 1321, Modesto, CA 95353.

Cummings, William S., 213 Crest Street, Tallahassee, FL 32301.

Cunningham, Kevin J., 3204 E. Park Ave. #195, Houma, LA 70363-3738, 504-876-2759, (work) 504-879-2495; butterflies Saturniidae, Sphingidae, *Catocala* of the Gulf Coast states; hybrids, gynandromorphs, color variants.

Dabbs, Evelyn, Wenee Woods, Rt. 1, Box 64, Mayesville, SC 29104.

Darrow, Harry N., Rt. 1, Box 430A, Marathon, FL 33050; Roph. of New World, photography.

Davis, Richard E., P.O. Box 15, Buda, TX 78610, 512-295-4213; Roph: rearing & collecting, life cycles.

Dingus, Eve, 440 Cross Park Dr. #1002, Jackson, MS 39208-8484; Butterfly rearing, gardening, collecting.

Dooley, Tom & Pat, 145 Sea Park Blvd., Satellite Beach, FL 32937, 407-777-2653.

**Doyle III**, Joseph F., 13310 Bar C Dr., San Antonio, TX 78253, 512-679-7413; Lep. of TX, esp. *Limenitis*, lycaenidae, Hesperiidae; life history, collect.

**Drummond**, Boyce A., Natural Perspectives, 1762 Upper Twin Rock Rd., Flouissant, CO 80816-9256, 719-748-3663; Reproductive ecology of Lepidoptera.

Drummond, Gene T., 1614 Evans Street, Arkadelphia, AR 71923-4519, 501-246-4238; Lepidoptera habitats and host plants.

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Edwards, Lana S., 3206 Palm Drive, Delray Beach, FL 33483.

Ellis, Simon, Transworld Butterfly Co., Apartado 6951, San Jose, Costa Rica, Central America.

**Emmel**, Thomas C., University of Florida, Dept. of Zoology, Gainesville, FL 32611; Roph., esp. Satyridae, Riodinidae; ecology, genetics, evolution, conservation, collect, exch.

**Ferguson**, Douglas C., 807 Copley Ln., Silver Springs, MD 20904, 202-382-1777; Taxonomy & biology of N.A. Geometridae, Arctiidae, Lymantriidae, and a few noctuid groups, esp. Herminiinae.

Filiatrault, John, 4608 Fabric Street, Laval, Quebec, CANADA, H7C1C8; Butterflies, esp. Papilio, Pieridae.

**Finkelstein**, Irving L., 425 Springdale Dr. NE, Atlanta, GA 30305, 404-651-2257, (work phone) 404-237-0694; Roph., esp. Papilionidae, Lycaenidae; collect, exch., rear.

Flaschka, Hermann, 2318 Hunting Valley Dr., Decatur, GA 30033, 404-636-4289; Sesiidae.

Freeman, Hugh Avery, 1605 Lewis St., Garland, TX 75041, 214-278-4914; Am. Hesperioidea; will determine any American skipper.

Furr, Mecky, 7925 Cross Pike, Germantown, TN 38138, 901-754-6662; Roph., macro, esp. Sphingidae, Saturniidae, Catocala; rearing, life histories, esp. interested in distribution in TN.

Gatrelle, Ron, 126 Wells Rd., Goose Creek, SC 29445, 803-553-8817; Lep., esp. Hesperiidae, Lycaenidae, Satyridae; taxonomy, collect, exch., correspondence welcome.

Gillmore, Richard M., 2255 College Drive, Lake Havasu City, AZ 86403, 602-680-9015; Heterocera, esp. Catocala.

Ginsburg, Ada, 710 N. Ocean Blvd. #1102, Pompano Beach, FL 33062, 305-946-6820; Photography, Hemiptera. Glaser, John D., 6600 Lock Hill Rd., Baltimore, MD 21239; Moths of USA, all taxa.

Godefro, M.D., Robert, 24 Yardley Rd., Andover, MA 01810; Roph., macro, esp. Catocala.

Gring, Dana M., 1552 Berkey Rd., Swanton, OH 43558-9619; All Lep. except micros; collect, exch. rear.

**Habeck**, Dale H., Univ. of Florida, Dept. of Entomology & Nematology, Gainesville, FL 32611-0620, 904-466-4250; (work phone) 904-392-4901; Caterpillars.

Hall, Steve, NC Natural Heritage Program, Div. of Parks and Recreation, P.O. Box 27687, Raleigh, NC 27611, 919-733-7701 (work).

Halvorsen, Gordon R., Rt. 1, Box 137, Lovingston, VA 22949; Roph., esp. Saturniidae, Papilionidae: exch., buy. Hamer, Rory P., Rt. 2, Box 129, Tickfaw, LA 70466, 504-542-9239.

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**Harrington**, Donald G., Heard Natural Science Museum and Wildlife Sanctuary, One Nature Place, McKinney, TX 75069-9244, 214-562-5566; Curation of collections.

Heinrich, John C., 22531 Tuckahoe Rd., Alva, FL 33920, 813-728-3049; Florida moths zone 4 and south; life cycles, foodplants.

Henry, Parker & Donna, 19 Mansion Street, W. Harwich, MA 02671; Leps.; general.

**Heppner**, John B., FL State Collection of Arthropods, P.O. Box 147100, Gainesville, FL 32614-7100, (work phone) 904-372-3505; Micro.

Hollingsworth, Donna, USDA Forest Service, Box 128, Burnsville, NC 28714-0128.

Hollister, Robert C., 1362 Beverly Drive, Lakeland, FL 33801, 813-576-7115;

Holoyda, Dr. John, 5407 N. Oketo Ave., Chicago, IL 60656; Mostly Sesiidae; trap studies involving various pheromone isomers which attract these moths; collection of USA Lepidoptera maintained.

Hummer, Eleanor J., 7 Sandra Drive, Ormond Beach, FL 32176.

Hyatt, John, 439 Forest Hills Dr., Kingsport, TN 37663, 615-239-6924; Roph., esp. Lycaenidae, Colias, Papilionidae; exch.

Iftner, David C., 8 Alpine Trail, Spartan, NJ 07871, 201-729-1350; Roph. of NJ & their life histories, habitats, nectar sources, distribution; also prairie and wetland spp., esp. Hesperiidae, Lycaenidae.

Israel, Michael, 421 E. Shore Rd., Great Neck, NY 11024-2128; Roph., macro.; rearing, collect.

Johnson, Joel M., 59 E. 400 N., Payson, UT 84651, 801-465-3526; Cercyonis, Notodontidae, Arctiidae, Hemileuca; exch.

Jordison, John, 1320 N. Street, Lincoln, NE 68508.

Kasnetz, Heath, 2711 Hibernia, Dallas, TX 75204, 214-880-0434.

Kendall, Roy O., 5598 Mt. McKinley Dr. NE, San Antonio, TX 78251-3626, 512-684-2518; Lep.; life history, parasites, predators, distribition.

Kessler, Clyde, P.O. Box 3612, Radford, VA 24143; Butterfly gardening.

Kirby, James C., 135 Ridge Rd., Rumson, NJ 07760.

Knudson, Ed, 8517 Burkhart, Houston, TX 77055, 713-464-3529, (work phone) 713-242-5800, Lepidoptera of TX.

Koehn, Leroy C., 207 Quail Trail, Greenwood, MS 38930-7315, 601-455-5498; Lep.; light trap manufacture, correspondence welcome.

Kral, Tom W., 6600 N. Galaxy Rd., Tucson, AZ 85741; Roph., macro., esp. Satyridae, Apaturinae, Hesperioidea, Catocala, Arctiidae; correspondence welcome.

Kutis, John S., 9783 SE Hwy 441, Belleview, FL 32620, 904-245-2617.

Larsen, Ron & Kathy, 1006 Cardinal Rd. #405, Brunswick, GA 31525, 912-264-4652; Butterlies: life history.

Lefort, Michael, RR 1, Box 31A, Galliano, LA 70354, 504-632-7430; Lep. and Coleoptera of LA/USA.

Legrand, Harry E., 331 Yadkin Dr., Raleigh, NC 27609, 919-832-3202, (work phone) 919-733-7701; Lep. distribution and ecology, esp. NC.

Liebman, David, 929 S. Quail St., Norfolk, VA 23513, 804-853-4722; Photgraphy of life cycles esp. USA.

Littahorsky, Anton, 1430 Corkery Rd. RR 2, Carp, Ontario, CANADA KOA 1LO; All Lep.

Lombardi, J. Barry, 3507 41st Street, Lubbock, TX 79413, 806-795-4981; Butterflies and moths; general.

Lott, Deborah & Terry, P.O. Box 141034, Gainesville, FL 32614-1034, 904-481-1021; Debbie: Pterophoridae; systematics, life hist., rearing; Terry: Pterophoridae; host plants.

Lucas, Vincent P., 800 Brick Mill Run #301, Westlake, OH 44145, 216-331-0669; Sphingidae, Hesperiidae, Lep. on stamps.

Ludtke, Alvin, 6524 Stoneman Dr., North Highlands, CA 95660, 916-344-1626; Lep. esp. of W USA, Riodinidae; collect, life histories.

Mahan, Dr. Hal, The Compleat Naturalist, 2 Biltmore Plaza, Asheville, NC 28803.

Malone, Kathy, 12673 Whitby Street, West Palm Beach, FL 33414.

Marks, Craig W., 141 E. Pamela Dr., Lafayette, LA 70509, (work phone) 318-237-4070; Butterfly gardening, photo., dist.

Martin, Julie Ann, Dept. of Entomology LSU, 402 Life Sciences Bldg., Baton Rouge, LA 70803.

Mason, John W., 32 Maple Vale Dr., Woodbridge, CT 06525; Lep., esp. Lycaenidae, Satyridae; collect, exch.

Mather, Bryant, 213 Mt. Salus Dr., Clinton, MS 39056-5007, 601-924-6360; Lep., all families, esp. of MS; Collect, exch.

Maudsley, Jim R., 400 University Cr., Athens, GA 30605, 404-353-1792; Rearing, evolution of mimicry, intraspecific hybridization, esp. *Heliconius*.

McCord, Billy, 1778 N. Mayflower Dr., Charleston, SC 29412, 803-795-4349.

McInnis, Michael, 12388 Henderson Rd., Clifton, VA 22024.

McKibben, Gerald, Rt. 4, Box 347, Starkville, MS 39759.

McKown, Stephanie, 3802 NE Matney Rd., Camas, WA 98607, 206-576-8858; Butterflies and moths of the Great Plains.

McIntosh, Ann, 2651 Madison St., Hollywood, FL 33020, 305-923-4057, (work phone) 305-932-1000; Butterfly gardening.

McNamara, Mrs. Joyce, 1311 Riverside Cr. Dr. W, Bradenton, FL 34209, 813-794-3814; Nyphalidae, Saturniidae; phil., col., buy.

Medina, Sra. Alma Garces, Museo de Zoologica, Faculdad de Ciencas, Apartado 70-399, Mexico, DF 04510.

Merritt, James R., 1729 S. Third St., Louisville, KY 40208, 502-637-3098.

**Merkhofer**, Richard D., 39 Parkview Dr., Appleton, WI 54915, 414-738-7955, (work phone) 414-730-8588; *Catocala*, Geometridae; rearing, butterfly gardening.

Metzler, Eric, 1241 Kildale Square N, Columbus, OH 43229-1306, 614-888-3642; Noctuoidea; life history.

Miller, Dr. Jaqueline Y., Allyn Museum, 321 Bay Shore Rd., Sarasota, FL 34234, 813-355-8475.

Milner, Paul F., 713 Bransford Rd., Augusta, GA 30909, 404-733-0592; Roph., all families, esp. tropical Am. Pieridae; life history, photography.

Minno, Marc C., 600 NW 35 Terrace, Gainesville, FL 32607, 904-375-3028; Roph.; ecology, life hist, conservation.

Mix, Steve, Beaufort Butterfly Co., P.O. Box 2236, Beaufort, SC 29901; Macro., Roph.

Mower, Robert C., 378 N 650 East, Orem, UT 84057; Arctiidae, Saturniidae, Sphingidae; exchange, life cycles.

Murphy, Capt. Clint J. A., 424 S. Sappington Rd., Oakland, MO 63122; conserv of insect habitat; endangered insect species, lobbying state and U.S. governments to develop and fund insect protection programs; butterflies, Botany, esp. prairie species.

Natural History Museum (The), (No. 2 A/C), Cromwell Road, London, England, SW7 5BD.

Neal, Thomas M., 1705 NW 23rd Street, Gainesville, FL, 32605, 904-375-1916; Lep., esp. Geometridae, Noctuidae; col., rear.

Neely, John D., 3215 N. Charles St. #405, Baltimore, MD 21218; Moths esp. *Schinia*, Saturniidae; rear, life history, distribution, photography, collect.

Nichols, Barry S., 7004 Ethan Allen Way, Louisville, KY 40272, 502-584-5835.

Nicolay, Stanley S., 1500 Wakefield Dr., Virginia Beach, VA 23455, 804-464-6087; Roph., esp. Lycaenidae, Hesperiidae; collect, exchange.

Nix, William, 3430 Chatelaine Blvd., Delray Beach, FL 33445; Micro., esp. Sesiidae, Pterophoridae, Tortricidae, Gelechiidae, also Pyralidae, Notodontidae.

Norwood II, D.D.S., James H., 708 E. Anderson, Weatherford, TX 76086, 817-599-8088; Moths of Texas.

**Opler**, Paul A., 3354 Valley Oak Drive, Loveland, CO 80538-8921, 303-226-2433; Lep; distribution, ecology, systematics, conservation, collect, rear, photography.

Parshall, David K., 4424 Rosemary, Columbus, OH 43214, 614-262-0058; Arctic, nearctic & neotropical Lepidoptera.

Paschall, Deborah J., 608 N. Walnut Street, Murfreesboro, TN 37130.

Pasby, Brian, 1025 Main St., Shrub Oak, NY 10588, 914-245-7404; Butterflies; captive colonies, esp. Heliconiidae & Papilionidae.

Passoa, Steven, USDA Aphis PPQ Bldg. 7, 8995 E. Main St., Reynoldburg, OH 43068; Taxonomy of immatures, life, history.

**Pavulaan**, Harry, 494 Fillmore Street, Herndon, VA 22070, 301-428-3638; Holarctic Papilionoidea, Hesperioidea, esp. papilionidae, Lycaenidae (esp. *Celastrina* complex); correspondence welcome.

**Peacock**, John W., 185 Benzler Lust Rd., Marion, OH 43302; Roph., macro, esp. *Catocala*, Saturniidae, Sphingidae, life history, rear, collect, habitat presevation.

**Pfenninger**, Paul F., 4085 Floral Drive, Boynton Beach, FL 33436, 407-732-4123; Exotic butterflies, rearing of silk moths, esp. *Automeris*; buy, trade.

Pierce, Diane, Edge of the Wild, 5010 Lake Pierce Dr., Lake Wales, FL 33853.

Plonczynski, Maria, Drew Hildebrandt, 710 Laney Dr., Clinton, MS 39056-6024, 601-924-2924; Butterfly & moth collecting, esp. Lycaenidae & Noctuidae; carabid beetles of the area.

Preston, Floyd W., 832 Sunset Dr., Lawrence, KS 66044, 913-843-6212; Butterflies of N.A. north of Mexico.

Phillips-Putnam, Patti, 3646 NW 54th Ln., Gainesville, FL 32653; Butterfly gardening, checklists.

Quinn, Mike, and Carrie Cate, 208 Park Place, College Station, TX 77840-2857; Tropical Lepidoptera.

Rawlins, John E., Invertebrate Zoology, Carneige Museum, 4400 Forbes Ave., Pittsburgh, PA 15213, 412-381-3448, (work phone) 412-622-3259; Lep., esp. biology of immatures, systematics, biogeography, plant/insect interactions.

Reed, Chip, 224 Blackthorn Rd. NW, Calgary, Alberta, CANADA, T2K-4X6, 403-275-9025; Lep.; rearing, ecology, life history, collect, exch.

Richfield, W. B., P.O. Box 1066, Goleta, CA 93116; Roph., esp. Theclinid Lycaenid, Hesperiidae; Het., esp. Catocalinae, Sphingidae, Sesiidae.

Rickard, Michael A., 4618 Holly, Bellaire, TX 77401, 713-664-1732; Skippers, butterfly watching.

Ritenour, Pete, RR 1, Box 1276, Brazoria, TX 77422, 409-964-3848; Discovering butterflies & moths of TX; naturalist.

Robbins, Robert, Smithsonian Dept. of Entomology, NHB 127, Washington, DC 20560, 202-357-2353; Hairstreaks (Lycaenidae) of the New World; phylogeny.

Roever, Kilian, 3739 W. Townley Ave., Phoenix, AZ 85051, 602-973-4297; Roph., esp. Hesperioidea, Lycaenidae.

Ross, Dr. Gary N., 6095 Stratford Ave., Baton Rouge, LA 70808; Butterfly behavior & ecology.

Roth, Dale F., 202 Pickerelltown Rd., West Liberty, OH 43357.

Russell, Bill, 765 Yorkshire Rd. NE, Atlanta, GA 30306, 404-876-5420; Roph. of New World, collect, exchange, photography, flight mechanics.

Rutkowski, Frank, 234 Fifth St., Jersey City, NJ 07302; Lep.; life history, plant relationships.

Sallee, Edmund H., P.O. Box 38, Letohatchee, AL 36047; Lep.; collect, rear, sell, trapping, photography. Shotts MD, Mack, 514 W. Main St., Paragould, AR 72450, 501-236-3900, (work phone) 501-239-8503; Lep., esp. *Catocala*; buy, trade.

Shuey, Dr. John, The Nature Conservancy, Indiana Field Office, 1330 West 38th St., Indianapolis, IN, 46208, 317-923-7547.

Slotten D.D.S., Jeff, 5421 NW 69th Lane, Gainesville, FL 32606-7000, 904-338-0721, (work phone) 904-325-9997; Roph., esp. Hesperiidae; Saturniidae, Sphingidae, Catocala.

Snyder, John A., Furman University, Department of Biology, Greenville, SC, 29613, 803-834-0434; Insect biochemistry, developing collection.

Spahr, John, 613 Locust St., Waynesboro, VA 22980, 703-943-6618; Lep., collect, photography.

Stelnicki, Dr. Thomas, 13944-A Lakeshore Blvd., Hudson, FL 34667.

Stender, Jock, 143 Tradd St., Charleston, SC 29401, 803-723-7775, (work phone) 803-577-6355; Butterfly gardening.

Stevens, Charles, 1407 Tiber Ave., Jacksonville, FL 32207, 904-630-0730; Lepidoptera of FL.

Stevenson, Major Jim, 3900 Commonwealth Blvd., Tallahassee, FL 32399.

Sullivan, J. Bolling, 200 Craven St., Beaufort, NC 28516, 919-728-2539.

Tangren, Donald R., 205 Cranor Rd., Murfreesboro, TN 37130, 615-890-4400; Macro. of N.A. esp. Noctuidae. Taylor, James M., 4 Tangle Tree Ln., Savannah, GA 31411, 912-598-0693; Noctuidae.

Tinsley, Charline, 574 Sean Court, Apopka, FL 32712, 407-889-7924; Butterfly gardening.

Treadway, Stephan, Cheekwood Botanical Gardens, 1200 Forrest Park Dr., Nashville, TN 37205-4242.

Trial, Linden, MO Dept. of Conservation, 1110 S. College Ave., Columbia, MO 65201-5299, 314-445-6680, (work phone) 314-882-9880.

Turner, Tom W., 2321 SR-580, Clearwater, FL 34623, 813-796-3667; Roph., esp. Pieridae; life history, collect. Tuttle, James P., 3838 Fernleigh St., Troy, MI 48083, 313-689-6687; U.S. Saturniidae & Sphingidae; biology, photography.

Ullrich, Richard D., 5308 Affinity Ct., Centreville, VA 22020, 703-830-0887; Lepidoptera; collect.

Vance, Norma K., 3393 Arlie Ave., Clearwater, FL 34619.

Vernon, John B., 1135 McClelland Dr., Novato, CA 94945; Roph. of N.A., esp. *Hesperia*; collect, exch. of legally collected specimens.

Vollmer, Carole, 346 39th St., New Orleans, LA 70124; Danaidae; habitat conservation.

Wagner, David L., 916 Pudding Hill Rd., Hampton, CT 06247, 203-455-9958.

Walker, Dr. Thomas J., Univ. of Florida, Dept. of Entomology & Nematology, Gainesville, FL 32611-0620; Butterfly migration.

Waldrep, Richard L., 15804 Ensor Mill Rd., Sparks, MD 21152; Roph., esp. Lycaenidae; dist., rearing, col., exch., buy.

Watson, Dr. Charles N., 300 Royal Oaks Blvd. Apt. 207, Franklin, TN 37054, 515-791-6469; Roph., macro., esp. Pieridae; collect, exch., buy.

Wehrle, Scott, 6215 Watermark Dr. #202, Riverview, FL 33569, 813-651-4259, (work phone) 813-828-5255; moths.

Welden, Frances, 7826 Willow St., New Orleans, LA 70118, 504-861-7413; Lep.; life history, photography, gardening, migration studies, and annual counts.

Westerfield, John R., P.O. Box 176, Moulton, TX 77975, 512-596-7406; Butterflies; amatuer collector.

Wiker, James R., RR 1, Box 244, Athens, IL 62613.

Wheeler, James B., P.O. Box 2233, Wichita Falls, TX 76301-2233.

Williams, Benjamin D., P.O. Box 211, Pomfret Center, CT 06259; Arctiidae, Sphingidae, Saturniidae, Catocala.

Winter, William D., 257 Common St., Dedham, MA 02026; Lep.; life history, photography, gardening.

**Zebold**, Roger A., 675-B Sprague Rd., Wilmington, OH 45177; *Speyeria*, esp. *idalia*, *diana*; all N.A. Leps.; habitat loss, species decline and other environmental concerns.

**Ziegler**, J. Benjamin, 64 Canoe Brook Parkway, Summit, NJ 07901, 201-273-2288; Roph., esp. Lycaenidae, Theclinae, Eumaeini; taxonomy, life history, systematics, food plants.

#### 1995 DUES NOTICE

All members are reminded that as of January 1, 1995 their dues lapsed and now need to be renewed. Annual dues are \$12 per member. If unpaid by March 1 you will be dropped from the mailing list which means Vol. 16 No. 4 will be the last issue you receive. Vol. 17 No. 1 is due out in April. Don't delay, pay your dues today!

Note: The Southern Lepidopterists' does not have tax exempt status. Any donations to the society are not tax deductible.

Make checks payable to: Southern Lepidopterists' Society.

Send to: Jeff Slotten--treasurer, 5421 NW 69th Lane, Gainesville, FL 32653

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## **Guilty Pleas Entered In Poaching Case**

Richard Skalski, Mark Grinnell and Tom Kral have all pled guilty to conspiring to poach federally protected wildlife between 1983 and 1992 on federally protected lands. The last to plead guilty was Tom Kral on January 30, 1995, according to a press release from the U.S. Dept. of Justice sent to the Southern Lepidopterists' editor by USFWS agent John Mendoza.

According to information supplied to the editor from various sources, this is the first time Grinnell and Kral have been involved with any wildlife violation. Hopefully, this will be taken into consideration in their sentencing. However, it is reported that Skalski has a previous violation in poaching Lang's metalmark several years ago, and

thus, may receive harsher punishment.

The USFWS is certainly correct in protecting OUR collective national resources placed under its stewardship. The poaching of butterflies from these areas is without excuse -- especially if done knowingly and for personal profit. The three accused, who crossed this line of the law (each in his own way and in varying degrees) ultimately have no one to blame but themselves.

However, controversy remains, as it is commonly reported by many parties, that much of what the guilty were accused of did not occur -- especially the basic charge of "conspiracy." The concern here is not "how guilty" these individuals are (for they are guilty), but what kind of fallout is yet to come from this case in light of the election of a more conservative Congress and Senate, and how may it effect the upcoming review of the Endangered Species Act. How much tax money was spent on this case? Did the government go beyond the law in bringing this case to trial? Are the sentences fair or too harsh? How does the general population feel about "bug poachers" and/or "bug police"? Some Congressman or Senator is bound to ask these questions on national TV (C-Span). We all know what Rush would do with it.

This case may be closing but the fallout is yet to come. Your editor believes in the protection of the environment, the responsibility of government to enforce wildlife laws, and that insects (above the subspecies level and on a rangewide population assessment) should have access to habitat, and in many cases, collection protection. I know many of our members don't want to see insects on the ESA list at all and others want virtually everything on it, but we should all stay tuned, for the fat lady has yet to sing. And my gut feeling is that this case (and others like it) will go a long way in determining her tune.

-- Ron Gatrelle.

## **Membership Policy Statement**

"The Southern Lepidopterists' Society is first centrist and holistic. We seek to be unifying and not divisive. Our membership is open to anyone interested in any activity or aspect related to butterflies and moths. This includes (but is not limited to) those interested in butterfly/moth watching, photographing, gardening, rearing, collecting, and exchanging. It seeks to further the efforts of both amateurs and professionals involved in general research and those working for species/habitat conservation at both governmental and civilian levels. All members should reflect this organizational philosophy personally."

The Southern Lepidopterists' News is published four times annually. Membership dues are \$12.00 annually. A scientific Bulletin is published occasionally. The organization is open to anyone with an interest in any aspect or activity relating to southern United States Lepidoptera, except those interested in forbidding the activities of others. Information about the Society may be obtained from, and dues may be sent to: Jeff Slotten secretary-treasurer, 5421 NW 69th Lane, Gainesville, FL 32653

Southern Lepidopterists' Society

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