



NEWS

of the LEPIDOPTERISTS' SOCIETY

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THE 1974 FIELD SEASON SUMMARY

This year's season summary follows about the same format and pattern as last year. Once again the Zone Coordinators have done an excellent job of sifting through the individual reports, combining them into a readable entity. There have been problems with a few of the zones this year: Zone 10 (South America) had no report at time of publication; Zone 2 (Northwest) lacked for inputs, and a make-shift report had to be pulled together; Zone 9 (Mexico and Central America) had no inputs so the coordinator gave a brief summary of his own collecting conditions. For the 1973 Summary, a call was made for European zone inputs, but none were received, and there was no report. No such call was made this year, yet a report was received in early February, which was published in News 1 for 1975. The Editor was so surprised by these events that he labelled that report, "The Final Chapter ... for 1974". Obviously, the title should have been, "The First Chapter...".

By making this issue a double number (2/3), we have gotten the News pretty well back on schedule, and hope to keep it there. For next year's Summary, there will be an earlier announcement of coordinators, earlier report deadlines, leading to earlier publication of the Summary. Readers are encouraged to write in with any other suggestions they might have regarding the Summary, and how to make it more readable and/or useful.

Double asterisks (**) have been used to separate different reports within the same paragraph, rather than using a series of short, separate paragraphs.

ZONE 1: SOUTHWEST: ARIZONA, NEVADA, CALIFORNIA. Coordinator: R. L. Langston (RL). Contributors: R. A. Bailowitz (RB), J. P. Brock (JB), J. T. Cooper (JC), J. DeBenedictis (JD), J. & P. Emmel (JE), C. D. Ferris (CDF), G. M. File (GMF), G. S. Forbes (GSF), B. M. Griffin (BG), C. Henne (CH), R. Highton (RH), W. E. Knoshaug (WK), R. H. Leuschner (RHL), S. E. Miller (SM), J. R. Mori (JM), L. J. Orsak (LO), E. & T. Perkins (EP), H. V. Reinhard (HR), K. Roever (KR), R. Scharf (RS), J. A. Scott (JS), C. A. Sekerman (CS), A. M. Shapiro (AS), O. Shields (OS), B. Walsh (BW), R. S. Wielgus (RSW) and J. C. Wiseman (JCW). COUNTY (in caps.) = New county records.

ARIZONA: One moth apparently new for the U.S., a skipper new for the STATE, plus COUNTY records and range extensions. No reports of migrations in Arizona. ** MOTHS: Paonis myops occidentalis, Automeris pamina & Coloradia sp., Oak Cr. Cyn., Coconino Co., 25-26 May (RHL). Telea polyphemus oculatea, S. Fork Cpgd., Chiricahua Mtns., Cochise Co., adults 25 July, larvae reared on Liquidamber sp. & Quercus agrifolia (LO). Anisota oslari, Sonoita Cr., S of Patagonia, S. Cruz Co., ex ova 20 Aug. (M. VanBuskirk), lab. reared on 2 spp. Quercus (CH). Citheronia splendens sinaloensis, Box Cyn., S. Rita Mtns., Pima Co., 9 July 73 adult female (R. Sternitzky), reared on Arctostaphylos sp., adults 8-17 July 74 (CH). Palada scarletina, along edge of Beeline Hwy. for 2 mi., Maricopa Co., adults, larvae common on Stephanomeria pauciflora, 27 Sept. (RSW). Datana palmi, Cave Cr. Wash, N of Phoenix, adult, larvae, pupal cases on Hymenoclea monogyra, 28 Oct. (RSW). Disphragis captiosa (Notodont.), S. Catalina Mtns., E of Tucson, Pima COUNTY (possible U.S. record) & Dasycosymbia gracilata, 11 Aug. (RHL). Zale duplicata nr. largera & Phengom. maybelata, Oak Cr. Cyn., 25-26 May. Long series of Cymbopt. unilinealis & Noctuel. puertalis, Wickenburg, Maricopa Co., 11 Aug. Prodoxus quinquepunctellus & P. sordidus, Sedona, Coconino Co., 26 May (all RHL). ** BUTTERFLIES: Ochlodes yuma, Tuba City, Coconino Co.,

late July (KR). Hesperia uncas lasus, S of Ryan, North Kaibab, Coconino Co., 30 June (RSW). H. susanae, Soldier Cr. & Hospital Flat, 9000', Graham Co., 15-17 Aug. (RSW). H. woodgatei, Groom Cr., Yavapai Co., 12-15 Sept. (RB). Oarisma garita, Ditch Camp nr Greer, Apache Co., 8 July (CDF). Piruna pirus, Oak Cr. Cyn., 26 May (RHL). Pholisora alpheus, Tuba City, late July (KR). Erynnis horatius (det. J. Burns), Chusca Mtns., Apache COUNTY, new for STATE, early May (KR). Chiomara asychis, Sabino Cyn., Pima Co., 11 Sept. (RB). Cogia hippalus, Tonto Nat. Bridge, Gila Co., NORTH, 27 Aug. & Polygonus leo arizonensis (RB). Urbanus dorantes rauterbergi, wash at Van Metre Rd., Madera Cyn., Pima Co., 1 Sept. (RSW). Papilio crespontes, Tonto Nat. Br., NORTH, 27 Aug. & Neophasia menapia, Groom Cr., 30 July (RB). Colias philodice, Mitty Lake Refuge, Yuma COUNTY, 21 Sept. (LO) (earliest recorded for Imperial Co., Calif., 8 June 63, R. S. Funk). Phoebis philea from larvae leg. K. Hansen, nr Patagonia, S. Cruz Co., late Aug. (KR) (2nd Ariz. record.) Eurema proterpia, 10 mi. SW Prescott, Yavapai COUNTY, NORTH, 11 Nov. (RB). Emesis ares, darker than S. Ariz., Oak Cr. Cyn. Coconino Co., 26 May (RHL) & good numbers, fresh, Tex Cyn., Chiricahua Mtns., Cochise Co., 25 Sept., LATE (GSF). Satyrium behrii, Neal Spring, N rim Grand Cyn., Coconino Co., 30 June (RSW). Incisalia fotis, Cedar Ridge, Coco. Co., mid-Mar. (KR). Erora quaderna, Groom Cr., Yavapai Co., 27 July (RB). Lycaena rubidus & G. lygdamus arizonensis, Ditch Camp nr. Greer, Apache Co., 8 July (CDF). Philotes rita, 9 mi. W Red Mesa, Apache COUNTY, NORTHEAST, 16 Aug. (GSF). Glaucopteryx piasus, 6 mi. S Jacob Lake, Coco. Co., mid-June (KR). Aster. celtis antonia, 1 mi. W Sta. Rita Ranch, Pima Co., on Celtis reticulata, 1 Sept. (RSW). Polygonia satyrus & Cercyonis oetus charon, Ditch Camp, 8 July (CDF).

NEVADA: A northern copper herein recorded new for the State. Moths DO occur in Nevada, but none reported. MIGRATORY SPECIES: Nymphalis californica. Pine Creek & Jarbidge Wilderness Area, Elko Co., NORTHEAST for Zone 1, 12-13 July (CDF). ** BUTTERFLIES: Hesperia iuba, Mt. Charleston, Clark Co., 9 July (CDF). Papilio indra nevadensis topotypes, Jett. Cyn., Nye Co., 25-26 May, spring brood abundant, plus Colias alexandra edwardsii (JD, WK). Anthocaris cethura morrisoni, Stillwater Range, 29 mi. SE Fallon, Churchill Co., 21 Apr. (JS, OS). Callophrys f. fotis, spinetorum & affinis, Jett Cyn., 25-26 May (JD, WK). C. sheridanii, lemberti-comstocki, Stillwater Range, SE Sand Mtn., 21 Apr. (JS). Lycaena dorcas, Pine Creek & Jarbidge Wilderness Area, Elko COUNTY, new for STATE & SOUTH extension, 12-13 July (CDF) ("florus" from Pine Creek by P. Herlan in 1972, but recorded as L. helloides). Other coppers same data: L. heteronea, editha & nivalis browni (CDF). At Angel Cr. Cpgd., Elko Co., L. heteronea, rubidus & helloides, 11 July (CDF). Leptotes marina, Jett Cyn., 5 July (OS). Lim. weid. latifascia incl. red-apex form fridayi, Speyeria callippe harmonia, atlantis nr. dodgei (unsilvered) & zereene cynna, Pine Cr.-J.W.A., 12-13 July (CDF). S. z. carolae, Mt. Charleston, Clark Co., 9 July (CDF). Thessalia alma & Euph. anicia wheeleri, both common, Jett Cyn., 25-26 May (JD, WK). E. anicia (chalcidona traits in dark pops.), Smoke Creek Rd., 4300', State Line & Rush Creek, Washoe Co., 25 May (JS). Coe. ochracea "brenda", Jett Cyn., 25-26 May (JD, WK). Cercyonis sthenele paulus & C. oetus, Mt. Charleston, 9 July & Ward Mtn., White Pine Co., 10 July (CDF).

CALIFORNIA: The only significant migrations were of tortoise-shells in early June. A noctuid moth new for the STATE. Several butterflies new for counties, with numerous range extensions, altitudinal and EARLY-LATE records. Many new larval food-plants and ovipositions recorded. ** MIGRATORY SPECIES: Libythea bachmanii larvata, Blythe, 22 Sept. & Whitewater Cyn., Riverside Co., 18 Dec., LATE (LO). Cynthia cardui: Huge migrations in 1973, but almost unnoticed in 1974; "Rare everywhere all year." (AS); None observed in mid-Sierra Nevada, only one in Greater Bay Area--Kensington, C. Costa Co., 30 Nov. (RLL). Nymphalis californica: Common in spring, scarce after early summer, much reduced from 1972-73 levels (AS); Thompson Cyn., Yolo Co., few hibernants late Jan.-Feb., common by mid-Mar., rare by late Apr., one seen 30 Nov. (OS); Alameda/C. Costa/Napa/S. Clara/S. Mateo/Yolo Cos., worn hibernants, Feb., Mar., Apr. (RLL); Mariposa Co., hibernants common Apr., fresh adults late May-early June, very common, many flying W & NW (OS); Solano Co. ca. 1000 bearing ENE in 3 hrs., 7 June (AS); Lake/Colusa Cos., hundreds bearing N all day, 8 June (AS); Nevada/Placer Cos., 7000', thousands bearing N, 9 June (AS); Calaveras/Nevada Cos., common, static pops., early & mid-June (RLL); Inyo Co., mid-June (JE, CS); Alpine/Amador Cos., 7700', moderate, static, 5-7 Oct. (RLL).

MOTHS: Proserpinus clarkiae, Fordyce Cr., 5900', Nevada Co., 9 June high alt. (RLL). Euproserpinus phaeton, Gavilan Hills, Riverside Co., 25 Mar. (JC). E. p. mojave, nr Llano, L.A. Co., 16-19 Mar., Oenothera sp. assoc. (CH) & common, Walker Pass summit, Kern Co., 8, 11 Apr. (JB). Saturnia mendocino, summit Footman Ridge & Jerseydale, Mariposa Co., 1 May (OS) & Lang Crossing, 4800', S Yuba R., Nevada Co., 2 May (JM). Diacrisia vagans, San Bruno Mtns., S. Mateo Co., 7 Apr. (RLL). Arachnis picta, Santa Barbara, 9, 19 Nov., LATE (SM). Pleroma obliquata smithi, Pinyon Crest, 4200', Riverside COUNTY, STATE & SW (a Colo.-Utah sp.), 23 Mar. (RHL). Annaphila abdita, San Bruno Mtns., 3 Mar. & Coe State Park, S. Clara Co., 16 Mar. (RLL). A. decia, depicta & spila, Kern River Cyn., Kern Co., 7 Apr. (RHL). A. miona, Fordyce Cr., 5700', 9 June (RLL). A. casta, Plantation & 4 mi. E. Stewart's Point, Sonoma Co., 11 May (RLL). Larvae of Litoprosopus coachella, Anaheim, Orange Co., 18 Aug. (JC). Porthetria dispar, Camp Curry, Yosemite N.P., Mariposa COUNTY, 28 Aug., male in G.M. sex trap (L. Hawkins). Brephos infans oregonensis, Butts Cyn., Napa Co., 15 Mar. (HR). Polingia quaestoralis, Cruther's Cr. wash, 4000', SW of Valyermo, L.A. Co., adults in Jan. -- 1972 to 21 Jan 75 (CH) (only colony recorded for Calif. Type Loc.: Redington, Ariz.). Plumipalpia martini, Dove Spring Cyn., 3200', Kern Co., 26 Feb.-6 Mar. (CH), Topotypes, first coll. since Types 10 Feb. 1946 (CH). Grapholitha vitrana & Ethmia tricula, Pinyon Crest, 23 Mar. (RHL). E. brevistriga ardicola, Adela punctiferella & eldorado, Kern River Cyn., 7 Apr. (RHL). Hepialus behrensi sequoiolus, Parnassus Heights, San Francisco, 8 Feb., EARLY (HR) & Kensington, C. Costa Co., 23 Mar. (RLL).

BUTTERFLIES: M. coloradensis martini, nr Conejo Well, Eagle Mtns., Riv. Co., 24 Mar. (JE, RH). M. c. maudae, Providence Mtns., 9-11 Apr. (JCW) & Colosseum Gorge, Clark Mtn., both S. Bdno. Co., 13 Apr. (JE, EP). P. graciellae, Indio, Riv. Co., WEST, 21 Sept. (LO). E. brizo lacustra, Jerseydale, Mariposa COUNTY, 1 May (OS). E. clarus assoc./w Amorpha fruticosa, Omstott Creek, S. Rosa Mtns., Riverside COUNTY, 23 June (JE) (no other S. Calif. records outside S. Bdno. Mtns.). P. clodius baldur, 5 mi. W Siretta Peak, Tulare Co., SOUTH, few mi. from Kern Co., 16 June (JB). P. c. baldur with P. phoebus sternitzkyi, The Eddys, 12 mi. E Mt. Shasta City, Sisk. Co., 27-28 July (JD). B. philenor, Blythe, Riv. Co., 22 Sept. (CS). P. rudkini, nr. Horn Peak, Turtle Mtns., 17 Mar. (JE, RH); ridge, Whipple Mtns., 3800-4100', 6 Apr. (JE, BG); & Colosseum Gorge, Clark Mtn., 13 Apr. (JE, EP), all S. Bdno. Co.; & hilltopping, Red Rock Cyn., Kern Co., 5 Apr. (JB). P. indra nr nevadensis, Cottonwood Cyn., E slope Sierra Nevada S of Lone Pine, Inyo COUNTY, 28 May (JE). P. crespontes, downtown Needles, S. Bdno. Co., NORTH for the eastern deserts, 1 June (GMF). P. multicaudatus, Briceburg, Mariposa Co., 7, 26 Apr., EARLY (WK) & The Geysers, Sonoma Co., 11 May (RLL). P. napi venosa common, Alum Rock Park, S. Clara Co., 9 Feb., EARLY & castoria, Bear Vy., Marin Co., 16 Aug., very LATE (RLL). P. napi nr macdunnoughii, vic. Lily Pad Lake, Sisk. Mtns., 19 July & Lower Wright Lake, Marble Mtns., Siskiyou

COUNTY & WEST, 21 July (JE). C. alexandra edwardsii, Bridgeport Res., Mono Co., 3 Aug. (JD). C. eurydice, Carmel Vy., Monterey Co., 10 Feb., EARLY (BW). E. mexicana, Blythe, 22 Sept. (LO). A. cethura pima, nr Horn Peak, Turtle Mtns., 17 Mar. (JE, RH); ridge Whipple Mtns., 3800-4100', S. Bdn. Co., 6 Apr. (JE, BG); & nr. Conejo Well, Eagle Mtns., Riv. Co., 24 Mar. (JE, RH). A. sara thoosa, Providence Mtns., S. Bdn. Co., 9-11 Apr. (JCS). A banner year for A. lanceolata, counties: Lake (JD, WK), Mariposa (JD), Nevada (RLL, AS), Placer (AS), Sonoma (JD, WK, RLL), plus australis, Riverside (JCW). E. ausonides very large for 8000', Big Meadow Cpgd., Tulare COUNTY, SOUTH record -- 15 mi. N. of Kern Co., 16 June (JB, GMF). A. mormo, Donner Pass, Nevada Co., 16 Oct., LATE for 7000' (AS). A. m. virgulti, Davy Brown Camp., 2000', S. Barb. Co., 29 Sept. (SM). S. auretorum, Hazel Cr., 14 mi. S Dunsmuir, Shasta Co., NORTH, 14 June (JM); common, Lang Crossing, S. Yuba R., Nevada Co., 26 June (AS); & Mines Rd., S. Clara Co., 14, 25 June (HR). S. saepium "chlorophora", Los Laurles Grade, 850', Monterey COUNTY, NORTH for dark chlor., 27 May (BW). S. dryope, Mines Rd., 14, 25 June & Salmon Cr., Marin Co., 1, 5 July (HR). I. augustinus iroides, Mix Cyn., Solano Co., 29 Jan. (AS) & Harding Cyn., Santa Ana Mtns., Orange Co., 10 Feb. (LO), both EARLY. I. eryphon, Hoberg's, Lake Co., 1 June (WK) & Water Cyn., Panamint Mtns., Inyo Co., unusual in desert ranges, 15 June (JE, CS). M. johnsoni, 4 mi. S Eagle Lake, 6300', Lassen Co., 23 June & 9 mi. N Bartle, 4700', Sisk Co., 28 June (JM). L. arota, Carmel Vy., Mont. Co., 23 June (BW), Mines Rd., S. Clara Co., 14, 25 June & Salmon Cr., Marin Co., 1, 5 July (HR). L. heteronea, Marble Mtns., Sisk. Co., 21 July (JE) & Donner Pass thru 27 Sept. with L. editha, both LATE for 7000' (AS). L. h. clara, Gorman Ranch & Frazier Park, 29 June, plus Lockwood Valley, Kern Co., 2 July (LO). L. cupreus, Big Meadows, 6650', Hwy. 4, 15 June, EARLY (RLL) continuous until 24 Aug., LATE, Donner Pass, 7000' (AS). B. exilis, Suisun marsh, Solano Co., still emerging 24 Dec., LATE (AS). L. marina 1 female, Tahoe City, 7000', Placer COUNTY & high alt., 24 Sept. (AS). L. argy. ricei, Cyclone Gap, 16 July & nr. Dry Lake Lookout, both Siskiyou Mtns., 20 July (JE). P. icar. evius, Yaeger Mesa, 3000', Orange Co., 26 Apr., low elev. & early, Lupinus excubitus assoc. (LO). P. i. moroensis, N of Nipomo, S.L.O. Co., 10 May. L. chamissonis assoc. (CH, EP). P. lupini, Los Laurles Grade, 550', Carmel Vy., Mont. Co., in Coast Range & low elev., 22 Mar. (BW) & Fordyce Cr., 5700', Nevada Co., 8 June (RLL). P. l. monticola, Water Cyn., Panamint Mtns., Inyo Co., 15 June (JE, CS) & summit Piute Mtn., 8300', high alt., Kern Co., 6 July (JB). P. neurona, Miracle Hot Sprrs., Kern Co., 14 May, 2 June (GMF) & both sexes, fresh, Mt. Pinos summit 8831' & e slopes, Kern Co., 26 Aug., 3rd brood? (RLL). P. rita elvirae good flight, Erio. plumatella assoc., Juniper Hills wash, 2 mi. SW Pearblossom, L.A. Co., 26 Aug. (Covell, CH, J. Lane, J. Masters, BW -- 25th Ann. Lep. Soc. Mtg. field trip). P. speciosa, nr. Crater (ghost town), Last Chance Range, Inyo Co., 27 Mary (JE). P. sonorensis, jct. main & N forks Merced R., Merced COUNTY, 12 Apr. (JM); Lang Crossing, 4500-4900', S. Yuba R., Nevada COUNTY, farthest NORTH & highest elev. N of Transverse Ranges, adults 22, 29 Apr. (AS), 2 May (JM), 5, 22 May & 2 June (AS), ova abundant on Dudleya cymosa. G. piasus, Dome Springs Camp, 4600', Ventura Co., 5 May (SM), plus Washington, 22 May & Lang Crossing, 2 June, both S. Yuba R., Nevada Co. (AS). N. milberti furcillata 1 female, Sacramento, Sacto. COUNTY, 6 Apr. (AS) (stray on valley floor, Closest taken, foothills, Yuba Co., 11 Apr. 73). P. zephyrus, nr Windy Gap, S. Gab. Mtns., L.A. Co. (rare in S. Calif.), 22 June (JE). C. neumoegei, Juniper Hills, 3700', L.A. Co., 15 Nov., fresh male very LATE (CH). C. palla vallismortis, Water Cyn., Panamint Mtns., 15 June (JE, CS). C. hoffmanni segregata, Slagger Camp, 9 mi. N Bartle, Sisk. Co., EAST, 28 June (JM). P. campestris, Big Cienega Spr., S. Gab. Mtns., L.A. Co. (rare in S. Calif.), 22 June (JE) & Weldon, Kern COUNTY, 8 Sept. (JB) (S. extension of montana from Sierras?). T. leanira alma, nr. Crater, Last Chance Range, Inyo Co., 27 May (JE) & nr alma with cerrita, Ord Mtns., 4000', S. Bdn. Co., 14 Apr. (JC). E. chalcidona kingstonensis, 9-11 Apr. (JCW) & 29 May (RS), both Providence Mtns., S. Bdn. Co. E. editha wrighti, Gavilan Hills, 2000', Riv. Co., larvae 6 Feb. (JC), adults 15 Mar., plentiful, Plantago hookeriana californica assoc. (CH), 25-31 Mar. (JC) & adults Black Star Cyn., Orange Co., 20 Mar. (JC). E. e. augusta, Onyx Peak, S. Bdn. Mtns., 19 June (RS). E. e. rubicunda, Briceburg, Mariposa Co., 23 Mar., EARLY (JD). E. e. nr bayensis, hilltop NE edge of San Luis Obispo, 31 Mar. (RS) & Happy Hunting Ground Camp, S. Rafael Wilderness, S. Barb. Co., 27 Apr. (SM). B. epithoea chermocki, Adm. Standley Park, Mendocino Co., 15 June (JD). B. e. sierra, Big Meadows, Hwy. 4, Calaveras Co., 15 June, EARLY for 6650' (RLL). S. coronis hennei, Frazier Mtn. area, 10 June (CH), 26 June (LO) & W of McGill Cpgd., 7600', Kern Co., 26 June (LO). S. adiate, Big Basin area, 2000', S. Cruz Co., 15 June (CH). S. egleis tehachapina common, Piute Peak, 30 June (GMF) & saddle bet. Mt. Tehachapi & Double Mtn., 1 July (LO). S. atlantis irene, Niagara Cr., 6600', Hwy. 108, Tuol. Co., 4 July (JM). E. claudia, Blythe, Oct. (LO). C. ochracea mono, N shore Mono L., 6400', 24 July (CH). C. pegala ariane, Horton Cr. Cpgd., 10 mi. N Bishop, Inyo Co., 17 June (LO). Good numbers of O. nevadensis iduna, Admiral Standley Park, Mendocino Co., 8, 9 June (WK) & 15 June (JD).

LIFE HISTORIES: Hemileuca burnsi larvae on Tetradymia axillaris, Little Rock wash, 2600', L.A. Co., 20 Mar. (CH) & adults emgd. 27 Aug.-19 Sept., ex larvae 10 mi. SE Phelan, S. Bdn. Co., 5 Apr. 73 (CH). Ctenucha multifaria larvae numerous on reeds, Audubon Cyn. Ranch, Marin Co., 21 Apr. (HR). Sannioidea opalescens, adults emerging, pupal cases at bases of peak trees, East Oakland & San Leandro, 30 July (RLL). O. yuma larvae on Phragmites australis, Mesquite Spr., Death Valley, Inyo Co., 26 May (JE). H. ericetorum mature larvae on Malvastrum fremontii cercophorum, Mines Rd., Alameda Co., adults 21 May, 7 June, ova 14 June, 1st. inst. 25 June (HR). P. clodius baldur larvae on both Dicentra formosa & D. uniflora, vic. Lily Pad Lake, Sisk. Co., 19 July (JE) & P. phoebus sternitzkyi adults same loc. P. indra fordi larvae on Cymopterus panamintensis acutifolius, S end Old Woman Mtns., EAST, 27 Apr. & same host, Soda Mtns., NORTH, 28 Apr., both S. Bdn. Co. (JE, BG). P. indra martini larvae on Lomatium parryi, Water Cyn., Panamint Mtns., NORTH, 15 June (JE, CS). I. mossii windi larvae on Sedum oregonense, NEW host, Cyclone Gap, Sisk. Co., 16 July (JE). I. mossii ssp. larvae on S. spathulifolium anomalum, Cascade Cyn., 5000', S. Gab. Mtns., S. Bdn. COUNTY, SOUTH for mossii complex, 2 June (JE). L. gorgon ova in flower stalk crotches of Erio. elongatum, SW of Lebec, 3570', Kern Co., 19 June (CH, EP). L. argy. ricei ovip. on Lotus oblongatus nevadensis, SW of Mt. Shasta City, Sisk. Co. (JS). P. melissa inyoensis ovip. on Astragalus whitneyi, Sonora Pass, 10,000', 8 Aug. (AS), and same host for P. shasta & C. eurytheme, peak S of Sonora Pass, Mono Co., 25 Aug. (JS). P. oreas ovum on Ribes divaricatum, Rancho Fiesta Rd., Carmel Vy., 16 Feb. (BW) & larvae reared from Ribes sp., Duncans Mills, Sonoma Co., 1 June (JS). Chlosyne damoetus assoc. w/ Haplopappus acaulis, Carson Pass, Alpine Co., 20 July; w/ Senecio fremontii & S. werneriaefolius above Virginia Lakes, Mono Co., 14 July; & w/ S. wern., Sonora Pass, Mono Co., 7 Aug. (all JS). P. mylitta ova mass on Silybum marianum, Carmel Vy., 23 June (BW) & larvae reared to adults on Cirsium vulgare, Siskiyou Co. (JS). E. chalcidona larvae on Orobancha fasciculata (Orobanchaceae -- NEW plant family), 5 mi. NW Alleghany, Sierra Co., 12 May (JS). E. c. corralensis larvae on Pen. antirrhinoides & Castilleja chromosa, NEW host, Rock Corral, S. Bdn. Co., 17 Feb. (JE, EP) & larvae on P. a., nr. Conejo Well, Eagle Mtns., Riverside COUNTY, 24 Mar. (JE, RH). E. editha, 1 & 2 inst. larvae on C. chromosa, NEW host, 6 July, Piute Peak, nr. summit & 1 mi. N. Kern Co., after adults in June (JB).

ZONE 2: PACIFIC NORTHWEST: OREGON to BRITISH COLUMBIA to MONTANA. Contributors: C. S. Guppy, (Stanley Jewett, Jr.), (Richard Guppy).

Editor's Note: The Zone 2 Summary report must be declared a disaster area! The only valid input came from C. S. Guppy. The potential coordinator, Jon Shepard, said that there had been problems with mail delivery in British Columbia. Did additional people send in reports that were not received? If not, why not? Surely much collecting is being done each year in the beautiful and productive northwest area. If further reports do come to light, we will be happy to publish them in a later issue. ** The following report has been put together from the one input, plus some correspondence with two collectors who did not specifically intend their data for the season summary. In the latter cases, some of the records may be for years previous to 1974. It is greatly to be desired that this minimal section this year can be much expanded from inputs from a multitude of contributors next year!

BRITISH COLUMBIA: Colias nastes streckeri, Crater Mt., 7000', near Keremeos, 25 Aug.; Oeneis macounii, Buttle Lake, 31 July, first record for Vancouver Island; Neoarctia beani, Big White Mt., east of Kelowna, 7400', one larva collected 13 July, fed on garden Salix, emerged 7 Aug. These records are from C. S. Guppy, who also reports from previous years: Lim. lorquini, larva from Surrey, fed on an erect Cotoneaster (from garden), emerged 26 June 1974; possible records Euph. editha and Chlosyne hoffmanni, Manning Park, 6000', 14 July 1973; good captures Boloria chariclea & napaea, Parton Mt., 5000', on Haines Rd. at Chilcat Pass, extreme north B.C., 23 July 1972. Danaus plexippus from Keremeos was reared, emerged 8 Aug. 1972. ** Richard Guppy has collected extensively for many a year, first on Vancouver Island and lately on Thetis Island. Following are some recent determinations (by R. Leuschner) of his material, which represent interesting species of moths: Pseudorthosia variabilis, Synedoida divergens, Melipotis jucunda (only 2 in 20 years!), Xylom. curialis nicalis, Fishea evelina, Lithophane innominata & vivida, Pero morrisonarius, Eup. regina (flying during day on Mt. Sicker, very common), Hydrio. albofasciata victoria, johnstoni, edenata grandis & speciosata, Abagrotis apposita (rare).

OREGON: Stanley Jewett has compiled a list of moths taken at his home near Oregon City, Clackamas Co. There are 300 Macro's, of which 146 are Noctuids, and 117 Geometers. It is expected that this number will grow somewhat, as the experts continue to check over his material. Following are a few of the better species: A. polyphemus, Cramb. casta, Phrag. rubricosa, Acron. hesperida, grisea revellata, fragilis, impleta illitia, emaculata & distans, Scot. gatei, Polia nimbusa, sub. eleanora, radix, lilacina, liquida, invalida & lutra, Rancora strigata, Feralia deceptiva & columbiana, Lithophane innominata, petulca, amanda, vivida, dilatocula & pertorrida, Xyl. capax, Lyc. pulchella, Luperina venosa, Papaipema insulidens, Catocala allusa, francisca & nevadensis, Olene styx, Tolype dayi, Acasis viridata, Eup. harrisonata, longipalpata & unicolor, Euphyia lacteata, Eran. vancouverensis, Nepytia phantasmia, Synaxis pallulata.

ZONE 3: ALBERTA, WYOMING, UTAH, COLORADO and NEW MEXICO. Coordinator: J. Donald Eff (DE). Contributors: R. A. Bailowitz, D. E. Bowman (DEB), J. A. DeBenedictis, A. O. Detmar (AOD), T. S. Dickel, T. E. Dimock, S. L. Ellis (SLE), C. D. Ferris (CDF), M. S. Fisher (MSF), R. Hollister (RH), J. A. Justice (JAJ), J. A. Legge (JAL), R. Leuschner, D. P. Oosting (DPO), J. D. Ownby, D. K. Parshall (DKP), M. A. Rickard (MAR), R. E. Stanford (RES), K. B. Tidwell (KBT), and J. B. Vernon (JBV).

No reports on weather and attendant conditions except for Colorado and Wyoming. Generally this area had a fairly normal winter with average snowfall. There was an early warm spell in late Feb. and early March, with the last snow recorded 13 April in Colorado, the 2nd of June in Wyoming. Usually May is the wettest month but in '74 it went into the records as the driest May in history with only .06 of an inch moisture. From then on it was hot and dry! Early spring collecting was the best since 1969, but with the hot dry weather in May, the season became advanced, worsened in late June and was poor from then on with an earlier end than normal to the entire season. As a result, the prospects look dim for 1975. Drought conditions existed in New Mexico but collecting was good.

ALBERTA: The only report for this province is from Tony DeBenedictis who spent about 10 days there beginning 7 July. This period was rainy there, so quantity was poor, but varieties taken were interesting. Localities collected and some of the more interesting captures from each follow: 7 July, 1 mi. N of Kananaskis Boundary, Bow River Forest, Lycaeides m. melissa, Plebejus icarioides ssp. (probably pembina), Colias christina, Coen. inornata and Chlosyne palla. A fascinating area almost unrepresented in collections is the area NW of Hinton. On 10 & 13 July, Moberly Creek, 25 mi. NW of Hinton, his most interesting capture was 6 males of Lycaena phlaeas arethusa. Others included an orange C. alexandra, interior, 5 different species of Boloria, an interesting Euphydryas (undetermined), plus Erebia epipsodea and Oeneis jutta; 14 July, Mi. 19, Kananaskis Hwy in the Crownsnest Forest only 6 species taken, O. chryxus the most common; 15-16 July, Plateau Mt., Pieris occidentalis, C. nastes streckeri, E. editha beani, and one male Bol. astarte. Same date, mi. 43 & 44 of Kananaskis Hwy a number of Parn. ph. smintheus, C. meadi elis, E. a. anicia, E. epipsodea, C. alex. christina, plus examples of Speyeria egleis, coronis and mormonia.

WYOMING: Ferris, the only resident collector, reports the best spring collecting since 1969 and in particular notes the abundance of Euphy. e. alebarki in the Pole Mt. area near Laramie. He had mediocre summer collecting due to lack of rain, with below normal numbers of species in western part of the state. His observation for that area was substantiated (unfortunately!) by the efforts of DE, RH & AOD collecting in Lincoln County. These three, however, had good collecting on the west side of Togwotee Pass in Teton County. The abundance of flowers there indicated good moisture. Especially plentiful were Coen. haydeni and L. argy. longinus. CDF notes excellent prairie collecting near Laramie early but disastrous results after 1 July due to serious overgrazing by both sheep and cattle. There was a good, late summer flight of Polygonia hylas in the Laramie Range (CDF). Except for an abundance of C. m. meadi and Pleb. (Agriades) a. rustica, collecting in the Snowy Range was poor. Pyrgus centaureae loki was in good numbers but Bol. eun. laddi was scarce (CDF, DE, DPO, DKP). Most collecting in the Beartooth Mts. is done near the Carbon Co., Mont.-Park Co., Wyo. border. Records indicate good numbers of E. callias and th. ethela (DKP, DPO, RH & AOD) on the Montana side, but shows little on the Wyo. side, with the best record being O. m. lucilla. There has been recent speculation that this colony of melissa may be closer to beani than lucilla. Parshall & Oosting submitted a list of species collected on Teton Pass (Teton Co.) and at Lime Creek (52 mi. NW of Pinedale) but gave no indication of numbers taken. For

the reader some of the more interesting species from Teton Pass would probably be Parn. ph. montanus, clodius gallatinus, Bol. kreimhild (very late for this--28 July), Lyc. m. melissa & argy. longinus, S. atl. tetonia, egleis ssp. (probably macdunnoughi) and O. chryxus. Also on the same date (28 July) at Lime Creek they list L. editha montana, rubidus sirius and Satyrium behrii. On the Double Top Mt. trail to Palmer Lake in the Wind River Mts. of Sublette Co., 29-30 July, in an aborted try for B. napaea halli they took a number of the same species listed above, but also such as C. pel. skinneri, Lyc. mariposa penroseae, nivalis browni, B. titan. ingens, Sp. egleis macdunnoughi, Coen. haydeni and E. th. ethela.

COUNTY RECORDS: Hesperia p. pawnee, (CDF) in Aug. & Sept., Platte Co.; Oarisma garita, H. p. pahaska, L. m. melissa, Poly. zephyrus, V. atalanta, Spey. calippe (ssp.?), edwardsii, Lim. weidemeyerii and Neominois ridingsii (all RES & MSF), 23 June, Pine Bluffs, Laramie County. MOTHS: Light-trapping normal in Laramie area with no exceptional species. Number of micros below average (CDF).

UTAH: No report received relating weather or collecting conditions. Little news from this state, other than Spey. egleis nr. linda, zerene platina and c. snyderi common as usual in So. Willow Cr. Canyon (RH) and that Tidwell and O. D. Spencer found S. nok. apacheana especially common in the Pine Valley Mts. of Washington Co. near St. George. K. Roever found Atrytone vierecki at Calf Creek, Garfield Co., in mid-June. There were several new records added to the state list however. ** STATE RECORDS: Satyrium calanus, 10 July, LaSal Mts., close to the San Juan-Grand Co. line. Flying in dense scrub oak with Hyp. crysalus and Nym. antiopa. Collected and reported by R. Bailowitz. Hesperia p. pahaska & u. uncas, May (no date), K. Tidwell. COUNTY RECORDS: Ochlodes yuma scudderi, 24 July, Ashley Creek, Uintah Co. (RES); Ery. brizo burgessi, 2 May, W of Monticello, 7000', San Juan Co. (RES & MSF).

COLORADO: Ellis adds to the general conditions report with his Western Slope observations of few butterflies in June, but high areas such as Grand Mesa were excellent in late July and little affected by the drought. Extensive coverage and reports this year for the state, with many interesting records for out-of-the-way, little collected areas. For the past couple of years Ray Stanford has been compiling an atlas of Colo. butterflies, charting the counties wherein each species has been recorded. He and his field companion, Mike Fisher, have made it a point to search for likely species in previously unrecorded areas. This year a five day trip into the south-central part of the state by Mike Rickard and John Vernon of Texas, uncovered some interesting species. There are approximately 125 new County Records. Lack of space will force limiting recognition to the more notable ones.

STATE RECORDS: Pleb. shasta minnehaha, 18 June, 1 mi. S of Pawnee Buttes, 4900', Weld Co., leg. Tom Dimock, reported by RES & MSF. Reference is to Ent. News, 81:203-207, "A New Subspecies of Plebejus shasta from Wyoming". In his paper Ferris showed that P. shasta minnehaha was actually collected on the plains of the Dakotas, and that the high altitude shasta from the mountains of Colo. was not the same. He gave the name browni to this high altitude subspecies. This is the first record of the lowland minnehaha ever being taken in Colorado. Euphy. a. bernadetta, fresh specimens in early July 1973, worn specimens 5 July 1974, by T. S. Dickel near Parshall, Grand County. Terry gave me a short series for identification purposes and in pursuing this I learned that there is a specimen in the Carnegie Museum from Moffat County. This is interesting since I find an old, old letter from Bob Whittaker wherein he mentions an "interesting anicia that flies there (vic. Greystone) earlier in June". More than likely his reference is to bernadetta. ** Pap. glaucus female form turnus, 29 June, nr. Bonny Dam, Yuma Co. (MSF). Technically glaucus is not a new record for the eastern part of the state, but this is the first record for the dark dimorphic female. Kricogonia lyside, 30 June, Cottonwood Canyon, Baca/Las Animas Co. (sight record) RES & MSF. While sight records cannot be officially counted, I feel that note should be taken of this observation. For one thing K. lyside is a definite possibility for inclusion in the records of Colo., especially in the southern portion, and it is a species more easily identified than most, especially by two qualified Lepidopterists. Peter Eades found Mestra amymone in Boulder on 2 Aug. (county record, NORTH). ** At the start of this report it was noted that the hot dry months of May and June advanced the emergence of many species. A few examples are S. atl. hesperis, 22 May (DE); Poanes mystic dacotah, 29 May (RES); Atrytonopsis h. turneri, 28 April, (MSF); Lyc. thoe, 29 May (RES); L. arota shellbachi, 13 July (RES); S. c. meadi, 14 May, (RES); and Neominois ridingsi, 30 May (RES). All approximately a month early.

COUNTY RECORDS: Among the more notable--Pyrgus scriptura, Sandstrom Ranch, Elbert Co., 12 May (RES); Pap. zelicaon & E. aus. coloradensis, 12 May, Hwy 102, 20 mi. SE Denver, Douglas Co., (MSF), eastern extension; Stinga morrisoni, 18 May, Clear Cr. Canyon, Gilpin Co. (RES); Hesperia p. pahaska & H. ottoe, 29 June, N of Bonny Resvr., Yuma Co. (RES & MSF respectively), eastern extension; Poanes hobomok, 23 June, Ovid, Sedgwick Co. (MSF & RES), a major Colo. range extension of typical hobomok; Euphyes v. metacometa, 29 June, Bonny Resvr., Yuma Co. (RES & MSF), confirms one previous Colo. record for this eastern subspecies; Callophrys fotis schryveri, 27 Apr., Don K. Ranch, S. Red Creek, 6100', Pueblo Co. (RES) a significant southern extension; C. fotis fotis, 3 May, John Brown Canyon, 6400', W of Gateway, Mesa Co. (RES) a northward and eastward extension of note; C. a. iroides, May, Williams Ft. Mts., S of Hayden, Routt Co. (SLE); Pap. bairdi brucei, July, same locality and collector as preceding; Satyrium sylvinus (probably putnami), 15 July, nr. Weston, Las Animas Co. (MAR & JBV) and Dolores River, Montezuma Dolores Co., 8 July (MSF), both an apparent SE extension; Anaea andria, larvae found on Croton, reared to adults, 28 July, Big Sandy Creek, nr. Limon, Lincoln Co. (MSF); Asterocampa c. celtis, 23 June, Ovid, Sedgwick Co. (RES); Euphy. editha (alebarkii?), Everes amyntula, Anth. sara julia, June, vic. Gould, Jackson Co. (SLE), all new records for the county; as are the following: Polydryas p. arachne, H. nevada, uncas, Lyc. m. melissa & Ery. persius, June, vic. Walden (also SLE); Thessalia a. fulvia, 29 June, N of Bonny Resvr., Yuma Co. (RES), dramatic range extension; Sp. c. cybele, same date and locality (RES & MSF), definite confirmation of a suspected inhabitant with only an indefinite history record; Eupty. dorothea, 6 July, Terrace Resvr., Conojos Co. (MSF); P. themistocles, 16 July, Spring Cr. Picnic Area, San Isabel N.F., Huerfano Co. (MAR & JBV) SE extension; Oarisma edwardsi & Pap. multicaudatus, 17 July, 10 mi. E of Pagosa Spgs., Archuleta Co. (MAR & JBV), first south-central Colo. record, although both have been taken in north-central N.M.; Papilio rutulus, 17 July, Piedra River, Archuleta Co. (MAR & JBV), same observation; Ery. afranius & Apodemia nais, 19 July, nr. Ludlow & Gulnare, 7000', Las Animas Co., (MAR & JBV), southerly Colo. extension; Polites origines, same date and collectors, but this is a significant southward range extension; Philotes battoides ssp. & Apodemia mormo, Aug., Parachute Creek, Garfield Co. (SLE). The Philotes was associated with Eriogonum corymbosum. Entered here also is a summary of new County records taken from the captures of T. E. Dimock, as reported by RES. Weld Co., nr. Ft. St. Vrain Nuclear Power Gen. Sta. at confluence of St. Vrain & So. Platte R., E. olympia rosa, 28 Apr. & 23 May; H. titus, 18 June; E. vestris, 18 June; & Polygonia satyrus, 16 May. P. satyrus, 1 July, was also recorded from along the So. Platte R.,

1 mi. N of Ft. Lupton by DE. Dimock also had A. c. montis from Rist Canyon, Larimer Co., 17 July and several interesting records from Cameron Pass and Diamond Peak nr. Jackson-Larimer Co. line, including E. callias, C. meadi and Pap. zelicaon gothica, all 6 Aug. In concluding this list of some of the more interesting County records, mention should be made of P. beckeri, its previous absence from the eastern slope of the mountains and plains, its apparent sudden movement eastward and the resulting numerous records. These include 30 Apr., Rist Canyon, Larimer Co. (T. E. Dimock); 27 Apr., 2 mi. E of Wetmore, Custer Co. (MSF); 25 May, Las Animas & Otero Counties (RES); 8 July, Dolores River, Montezuma-Dolores Co. (MSF); 5 Aug., below Spring Canyon dam, W of Ft. Collins, Larimer Co. (Jas. D. Ownby). Ownby, a former student at Colo. State Univ. in Ft. Collins notes that his capture was a fresh female in excellent shape, taken on Euphorbia, and that he and his wife in 3 previous years in that area had never before seen beckeri.

RELATIVE ABUNDANCE: Reports indicate following were present in above normal numbers; Euphy. a. capella, a. alena, C. nvycteis drusius, palla calydon, Phyciodes picta (Arapahoe Co., Aug., R. Pyle), Pleb. acmon lutzii, Boloria helena, E. callias, Hesperia p. pahaska, Nym. californica, E. amyntula, C. acastus & Lyc. argy. sublivens. Below normal--C. (Incisalia) polios, C. (Callophrys) sheridani, Scol. piasus daunia, Hyp. crysalus, Stinga morrisoni, A. arogos iowa, Ochlodes snowi & Hesperia p. pawnee. C. (Mitoura) spinetorum still scarce but picking up in numbers. Spey. electa & Bol. s. tollandensis scarce as always, but this is due to destruction of habitat, with only small, residual pockets remaining.

CHOICE SPECIES: Zestusa dorus, 29 Apr., Archuleta Co., (MSF) first Colo. record in many years(!); Pyrgus ruralis, 27 May, Golden Gate State Park, Gilpin Co. (RES); Amblyscirtes eos & Atrytonopsis viericki, 25 May, Purgatoire Canyon, Las Animas & Otero Co. (RES); Call. apama (nr. apama, rather than homoperplexa) 2 May, Dolores R. nr. Uravan, Montrose Co. (MSF); Meg. coloradensis browni, 3-4 May, Unaweep & John Brown Canyons, Mesa Co. and Escalante Siding, Delta Co. (all RES & MSF); D. g. strigosus, 30 June, Cottonwood Canyon, Vaca/Las Animas Co. (RES); Phaestrymon alcestis, same date; Apodemia mormo, 21 July, nr. Camp Carson, El Paso Co. (MSF & DEB), a different looking population; Phil. battoides ssp., and Apod. mormo nr. mejicanus, 20-21 July, 10 mi. E of Colorad Spgs., Hwy. 94, El Paso Co. (DEB & MSF); Phil. rita coloradensis, 5 Aug., 20 mi. E of Colo. Spgs., El Paso Co. (DEB); Pap. b. hollandi, 7 Aug., Del Norte, Rio Grande Co. (DeB); O. uhleri reinthali, 22 July, San Juan Mts. (DeB); and a number of Spey. atlantis, very pallid form, taken by MAR & JBV in south-central Colo. (Huerfano Co.) of special interest to L. P. Grey. Boloria species are rare on the Western Slope but DeB found a large colony of tit. helena in Montrose Co. on 13 July. There were also a number of reports of Anth. sara ssp. (nr. inghami?) being taken in western Colo. Locally JAL found a new colony of A. sara julia nr. Lyons, in Boulder Co. (25 Apr.). This was the year for O. jutta reducta and they were about in normal numbers in the only known colony in Grand Co. Cercyonis meadi alamosa, 23-24 Aug., San Luis Valley, Saguache Co. (DE) in good numbers. ** Bob Pyle found good collecting at Cumberland Pass, on 12 July, with best species being Oeneis taygete. This is the only known even-year Colo. locality for taygete; in all other places it is taken only in odd-numbered years!

MOTHS: In general, a poor year. Hyles galli, 20 June, Fall River Rd. Clear Cr. Co. (MSF); Hemileuca nuttali, 13 July, Montrose Co. (DEB); Amphion nessus, 25 May, Rist Canyon, Larimer Co. (SLE). Very rare, but was common years ago in Boulder, taken on lilacs. Erebus odora, 23 July, Boulder, Colo., taken by Peter Eades, a non-member.

LIFE HISTORY: Normally little information is received on this phase, but Scott Ellis has been getting oviposition records, photographing early stages and collecting foodplants. He reports: Larimer Co.: Rist Canyon, May--Glauc. lygdamus oro & E. amyntula ovipositing on Oxytropis lambertii (eggs collected, larvae reared through on this plant for both species); Rist and Poudre Canyons, May-Aug., Chlosyne gorgone oviposition, egg masses & larvae on Viguiera multiflora; Rist Canyon, May-Aug., Euph. a. capella oviposition, egg masses & larvae on Pentstemon unilateralis; Rist Canyon, July,--Colias alexandra ovipositing on Thermopsis divaricarpa and Trifolium pratense (in the same locality!); Cameron Pass, Aug.--C. scudderii, ovipositing on Salix planifolia var. monica. Mesa Co.: C. scudderii many ovipositions observed on Vaccinium caespitosum on Grand Mesa. Jackson Co.; vic. Walden, Polydryas arachne larva on Penstemon cyatophorus (larva collected in last instar, pupated and emerged); vic. Muddy Pass, Pleb. saepiolus ovipositing on Trifolium longipes. RES reports a female Ery. p. fredericki ovipositing on Thermopsis (Golden Banner) near the old Cardinal townsite in Boulder Co. on 22 June and then on 27 June a female of fredericki was found ovipositing on both (!) Lupinus and Astragalus on Chautauqua Mesa at the edge of Boulder. Previous mention was made of MSF's discovery of A. andria on Croton. The larvae pupated and produced 4 adults.

NEW MEXICO: For this state we have two reports (CDF & JAJ) of length, plus three shorter ones. Ferris found good collecting in spite of the drought conditions. He made a trip into the Pecos Wilderness Area (Santa Fe-San Miguel Co.) and points out that access to this area is now by permit only! Permits are free and may be obtained from the Forest Ranger Sta. in either Pecos or Santa Fe. The Windsor Cr. Canyon area, from whence A. B. Klots collected the type series of C. scudderii ruckesi was explored and on 1 July a small series was taken at 9900', from a meadow which is probably the type locality. Both white and yellow females were taken. Altogether 24 species were collected, including among the more interesting, Spey. atl. nikias, P. napi nr. mogollon, H. isola, Pleb. acmon texanus, Poly. satyrus & O. c. chryxus. The next day at Santa Fe Ski Area in Santa Fe Co. eight of the same species were taken, plus P. centaureae loki; 3 & 6 July, in the Gila N. F., N of Silver City, Grant Co. he found Ambly. cassus and Autochthon cellus, both common on green gentian flowers. Apparently Piruna polingi is double brooded as fresh specimens were taken here and then again on 10 Aug.; others taken included E. ciarus huachuca, Call. apama apama, and Lim. weid. angustifascia; 4-5 July, Burro Mts. & foothills S of Silver City a possible new state and county record was taken in Phaestrymon alcestis oslari. In Aug. CDF & JAL spent 3 days searching in vain for Sp. hyd. conquista, but did take such things as O. snowi and C. scudderii ruckesi nr. Questa, Taos Co. (Aug. 6) and S. calanus godarti and Hyp. crysalus nr. Cowles 5 Aug. Poly. hylas was very common in San Miguel, Colfax and Taos Counties. Cliff notes that a second or late emerging brood of fresh specimens of Pieris napi taken in Windsor Creek Canyon resembled macdunnoughi, whereas fresh specimens taken at the same place a month earlier were closer to mogollon. JAJ is the only present resident collector reporting. He included some records taken by R. Holland; 24 C. macfarlandi, 1 Apr. Sandia Mts., Bernalillo Co. (JAJ), some already worn; 46 Thessalia th. thekla, 27 Apr., Alamo Canyon, Sacramento Mts., Otero Co. (JAJ); two weeks or so later Holland took Lim. a. arizonensis here. In early May Holland took 50-60 C. (Mitoura) spinetorum at Beartrap C.G. in the San Mateo Mts. of Socorro Co. On 11 May, JAJ hit the spinetorum explosion at its peak, taking 270 specimens in one day at that location. On 17 May he reports 12 Chlosyne fulvia vic. Chuska, Chuska Mts., McKinley Co. He reports that Holland found Euphy. a. carmentis common in the Chuska Mts. 2 or 3 weeks later. 19 May, Pap. zelicaon, vic Toadalena, San Juan Co.,

Chuska Mts. 6000' (JAJ), possible county record? On 4 July, Caribou Lakes, 10000', Rio Arriba Co. (JAC) a Euphydryas species was taken (not yet identified). Apparently any Euphydryas from here will be at least a county record. JAJ reports that K. Roever took 2 Speyeria nokomis in the Sacramento Mts. E of Alamogordo in Aug. Mike Fisher and Ray Stanford in their one day stint in N.M. also concentrated on the Chuska Mts., which seems to have been the "hot spot" and place to be this year. They also got in on the Call. spinetorum explosion, and found siva abundant as well. Others taken (30 Apr.) included Ery. brizo burgessi, telemachus, Atry. vierecki, Meg. colo. navajo, Atlides halesus, C. fotis fotis, a. iroides, Anth. sara inghami, Poly. satyrus, Phy. mylitta and Leptotes marina. It is possible that among these and some of the more common things not listed, there may well be some San Juan county records.

MOTHS: Ron Leuschner, enroute back to Calif., set up the black light two nights. On 9 Aug. at Whites City, just outside the entrance to Carlsbad Caverns Nat. Pk., not a very good spot, he still took 75 Macro's and 40 Micro's. Best species were Bleptina minimalis (Noctuid) and Hypocrisias minima (Arctiid). The next night at a KOA campground near Las Cruces (10 Aug.) he ran a light all night but also cleaned up on the store lights and the bathroom windows, taking 175 Macro's and 80 Micro's. He notes how amazingly different the N.M. fauna is from Carlsbad/Pecos/Alpine to the east, and Arizona to the west. He took many new Noctuids of the Stirinae, Acontiinae, and Heliothiinae. A few highlights: Antaplagia hachita, Grotella binda, olivacea and grisescens, Schinia regia, reniformis and limbalis.

ZONE 4: GREAT PLAINS: SASKATCHEWAN, MANITOBA, OKLAHOMA, and TEXAS. Coordinator: H. A. Freeman. Contributors: H. A. Freeman, Austin W. Haddox, L. M. Haddox, Frank R. Hedges, Ronald R. Hooper, Edward C. Knudson, Ron Leuschner, W. W. McGuire, Daniel Oosting, Dave Parshall, Mike A. Rickard, and John B. Vernon.

GENERAL CONDITIONS: Throughout Saskatchewan and Manitoba, unusually cool weather seemed to hinder normal collecting. In Oklahoma and Texas conditions were fairly normal. In south Texas another good year was indicated by the large number of fine species collected.

SASKATCHEWAN: Ronald R. Hooper reported that during May there were so few insects flying that hundreds of swallows starved to death. Butterflies were not plentiful throughout the remainder of the season. The two most outstanding discoveries of the year were--Plebejus icaroides, a colony among lupines southwest of Killdeer, 11 July (farthest east Sask. record). Apodemia mormo---one fresh specimen taken on 8 August in the Killdeer Badlands, SE of Killdeer, among umbrella plants (Eriogonum). First record of a metalmark (Riodinidae) for Canada.

MANITOBA: Dave Parshall reported for the Cowen area, 16 June, O. chryxus calias, E. ausonides mayi, C. polios, A. glandon rustica, and G. lygdamus couperi. Clearwater Lake north of the Pas, 17 June: E. disa, O. jutta, G. couperi, A. vialis, E. ausonides mayi, C. palaemon, C. polios, P. napi, E. comyntas, and B. frigga saga. Clearwater Lake north of the Pas, 22 July: B. frigga saga, B. eunomia, L. dorcas, C. gigantea, and P. faunus. ** Daniel Oosting provided the following: Duck Mtn. Provincial Park: 16 June, Boloria freija, otherwise butterflies entirely absent. One mile north of Cowen: 16 June, Pyrgus centaureae wyandot, Erynnis icelus, Thorybes pylades, Papilio glaucus canadensis, Colias philodice, Euchloe ausonides mayi, Callophrys augustinus, C. polios, C. niphon clarki, Plebejus aquilo lacustris, Everes amyntula, G. lygdamus couperi, Boloria bellona toddi, B. freija, Oeneis chryxus calais, and Erebia discoidalis. O. chryxus calais, which is a rather rare and local species in Manitoba, was common in open grassy areas in sandy Jack Pine areas. It is restricted to this habitat and is not found in moist surrounding areas of Canadian Zone deciduous tree growth. Vicinity of Clearwater Lake, approx. 20 mi. N. of the Pas: 17 & 18 June and 22 July: A. vialis, W. egeremet, C. palaemon mesapano, Erynnis icelus, E. brizo, Thorybes pylades, P. glaucus canadensis, Colias gigantea mayi, Euchloe ausonides mayi, Callophrys augustinus, C. polios, Lycaena dorcas, L. argyrognomon scudderi, Plebejus saepiolus, Everes amyntula, G. lygdamus couperi, C. argiolus lucia, Polygonia faunus, Phyciodes tharos/batesii, Boloria bellona toddi, B. frigga, B. freija, Speyeria atlantis hollandi, Oeneis jutta ridingiana, Erebia discoidalis, E. epipsodea freemani, and E. disa. Churchill/Ft. Churchill and vicinity, 20 June to 20 July: The Churchill area experienced a late and cold spring--the first butterflies were not on the wing until 21 June when one fresh male Boloria freija was collected. During the period 20 June to 20 July there were 12 days of cold cloudy weather, the remaining were clear to partly cloudy. Collecting on the tundra was generally very poor; taiga populations were about normal. Temperatures were extremely variable with near freezing weather to an extreme heat wave with 88 degrees F. on 24 June (the second highest recorded temperature for Churchill). B. freija was found to be very abundant in taiga areas--previously recorded as uncommon, probably because collectors arrive after its peak flight. Oeneis taygete subsp. has been vaguely recorded from Churchill--it was found to frequent grassy tundra especially on a high ridge east of Ft. Churchill. E. disa mancinus appears to be well established at Churchill now. It was common in taiga situations as was Plebejus optilete yukona, both of which were recorded for the first time in 1973 by Ferris. Everes amyntula (2 fresh males) was collected for the first time at Churchill; their condition suggests that this species may breed there. P. protodice occidentalis and N. antiopa were collected (these are the first dates for these vaguely recorded Churchill species). H. manitoba borealis was found to be common in taiga situations, especially along the RR tracks. C. nastes moina and E. theano canadensis, both rare catches at Churchill, experienced a population explosion. Over 300 C. nastes and 200 E. theano were collected in two days on grassy climax tundra. A short series of gray-veined (taygete-like) O. polixenes were collected. Also collected were several undetermined Oeneis (they resemble O. bore by facies). The following species were collected: Hesperia manitoba borealis, P. centaureae freija, P. glaucus canadensis, P. protodice occidentalis (9 July), P. napi oleracea, Colias gigantea, C. palaemo chippewa, C. nastes moina, Plebejus aquilo lacustris, Everes comyntas (15 July), G. lygdamus ssp., N. antiopa (22, 23 June), Boloria frigga saga, B. freija, B. titania boisduvalii, B. eunomia tricoloris, Oeneis taygete nr. taygete, O. bore ssp. (?), O. jutta nr. alaskensis, O. melissa semplei, O. polixenes (typical and "taygete-like morph), Erebia rossii ornata, E. disa mancinus, E. discoidalis, and E. theano canadensis.

OKLAHOMA: A. W. Haddox reported from Antlers, Pushmataha Co., 20-21 May: Euptychia areolata, E. cymela, C. eurytheme, Everes comyntas, P. senna eubule, Eurema lisa, P. interrogacionis, P. progne, W. otho, A. numitor, E. clarus, A. lyciades, and E. horatius. A. W. and L. M. Haddox reported from Antlers, 13-14 March: Atlides halesus, C. cecrops, P. troilus, E. gemma, P. rapae, A. midea, C. argiolus, E. juvenalis, E. brizo, and W. egeremet.

TEXAS: H. A. Freeman reports that conditions throughout the general Dallas area were fairly normal with very few worthwhile species to report. In the Brownsville area conditions were good with a number of interesting species collected and observed. The following collectors turned in a combined report: Frank R. Hedges (H); Edward C. Knudson (K); W. W. McGuire (M); Mike A. Rickard (R); and John B. Vernon (V). The following species were reported: P. evansi: Cameron Co., 24 Oct. (M). A. eos: Navarro Co., 13 July (R). A. pittasus: Jeff Davis Co., 31 Mar. (V), 9 April (M). E. dukesi: Hardin Co., 25 May (M), 30 May (V), 2 June (H), 8 June (R). M. eulogius: Hidalgo Co., 13 April (R). P. yehl: Harris Co., 15 June (K, R), 22 June (H), 28 Sept. (K, R). A. arogos: Fayette Co., 7 May (M, R). H. attalus: Freestone Co., 19 May (M), 26 May (K, M, V). Tarrant Co., 19 May (M), 24 May (H). H. metea: Freestone Co., 9 & 18 Mar. (H, K, M, R). H. viridis: Tarrant Co., 19 May (K, M, R). H. meskei: Freestone Co., 18 May (R), 26 May (K, M, R, V), 1 June (R). S. morrisoni: Jeff Davis Co., 31 Mar. (V). Y. carus: Brewster Co., 13 April (M), 27 July (H). V. perigrines: Cameron Co., 13 April (M, K), 20 Aug. (H), 7 Dec. (K). P. alpheus: Culberson Co., 25 July (H). H. domicella: Hidalgo Co., 20 Aug. (H), Starr Co., 23 Nov. (R). P. scriptura: Terrell Co., 28 July (H). G. gesta: Freestone Co., 26 May (K, M, R, V). B. clytius: Hidalgo Co., 16 Oct. (R). P. arina: Hidalgo Co., 12 April (R), 17 Oct. (R), 22 Oct. (M). C. hippalus: Hidalgo Co., 12 April (M). C. outis: Hidalgo Co., 14 April (K). G. stigmaticus: Hidalgo Co., 21 Sept. (H, R). A. anaphus: Hidalgo Co., 12-13 April (M). U. simplicius: Hidalgo Co., 13 April (R). U. doryssus: Hidalgo Co., 12-13 April (M, R). Cameron Co., 14 Oct. (V). A. asander: Hidalgo Co., 20 April (H). C. zilpa: Hidalgo Co., 12-13 April (M, R). P. ornithyon: Hidalgo Co., 12-14 April (M, K), 20 April (H). P. astyalus: Hidalgo Co., 12-14 April (K, M). G. marcellus: Fayette Co., 7 May (M). P. philea: Comal Co., 29 Sept. (H, K, R). E. olympia: Freestone Co., 9 May. (R), 18 Mar. (H, K, M, R). L. sula: Cameron Co., 7 Dec. (K, R). A. mormo: Val Verde Co., 19 Sept. (M). A. palmeri: Terrell Co., 28 July (H). A. walkeri: Cameron Co., 24 Oct. (M). A. multiplaga: Cameron Co., 24 Oct. (M). E. emesia: Hidalgo Co., 14 Oct. (V), 24 Oct. (M), 23 Nov. (K). L. pixe: Cameron Co., 18 Oct. (V). S. kingi: Hardin Co., 25 May, 30 May (K, M, R, V). C. gryneus: Brewster Co., 27 July (H). Terrell Co., 28 July (H). S. rufofusca: Hidalgo Co., 22 Oct. (M). S. alea: Starr Co., 23 Nov. (R). Z. cyna: Comal Co., 7 July (V). P. melissa: Briscoe & Hall Co., 14 July (R, V). C. endeis: Hidalgo Co., 17 Oct. (V), 23 Nov. (R). Starr Co., 22 Oct. (M), 23 Nov. (H, K). H. fornax: Hidalgo Co., 19 Aug. (H). ** Ron Leuschner reported six days of collecting in Texas with the following results: Orange, Orange Co., 3 Aug.: At light, 43 Macro's, 170 Micro's, including Afrida minuta (Arct.), Phol. brimleyana (Noct.) and Dercetis vitrea (Noct.). Rhop. include, P. ocola, C. minima (22 total). Del Rio, Val Verde Co., 5 Aug: Rainy night, surprised to get anything. 50 Macro, 25 Micro. Best were Horama texana (Euchromiidae) and Itame schatzeata f. dimidiata (very tent. ID). Seguin, Guadalupe Co., 4 Aug: A barren locality, just a grassy park among farmland, but amazing what good response. 21 Rhop. mostly Lerema accius and Nastra julia. 75 Macro. and 150 Micro. More Afrida minuta, Pyg. murina albistrigata (Arct.), Semio. flaviterminata (Geom.), Cobubatha inquaesita, quadrifera, & balteata, Matigr. pulverilinea, Ommat. mundula (all Noct.). Big Bend Nat. Park, 6 Aug: Very few Rhop., only 1 C. montis, M. chara, M. siva, and 1 skipper. Got a few moths on store lights at Basin: Anac. angulata, Nepter. diagonalis (Geom.). Swarms at black lite at Panther Junction: took 210 Macro, 111 Micro. but there were lots more. Some of the best are still unidentified, including a little pink-ochre Oncocnemis. Dicentria alpica (Notod.), Onco. sectilis, Anyc. fotelloides, Leuco. nivalis, Tarach. heonyx (all Noct.), a good white Itame sp., and Animomyia minuta (Geom.). Alpine, Brewster Co., 7 & 8 Aug: on city lights, Apant. arge (Arct.), Dat. integerrima cochise (Notod.), Nocloa nanata (Noct.), Scop. plantagenaria (Geom.) were best. Some Rhop., nothing special (11 sp.). Ft. Davis, Jeff Davis Co., 8 Aug: 34 Rhop., 16 sp., lots of D. gillipus. In just 2 hours of black lite, 200 Macro, 110 Micro. There were really big sphinx: 2 Cer. undulosa polingi, 2 P. modesta occidentalis. Good Arctiids: Crambida dusca ?/n.sp., Cisth. angeles, Eudes. arida. Schiz. biedermani (Notod.), Paota fultaria, Ixala klotsi, Itame simplicata (all Geom.), Schinia fastidiosa, arcigera and chrysellia, Baileya nr. australis, Nacopa bistrigata, Acron. brumosa persuasa (Noct.). The actual locality was along Limpia Creek, north of town. ** Hemileuca chinatiensis ova from confined females, S. of Marathon, Brewster Co., 6 Oct. 1973 (M. VanBuskirk), lab. reared on Forestiera neomexicana, Ephedra californica & E. viridis, adult emgd. 21 Sept. 1974 (C. Henne).

ZONE 5: EASTERN-MIDWEST: MISSOURI to MINNESOTA to ONTARIO. Coordinator: M. C. Nielsen. Contributors: G. Balogh (GB), G. Y. Belyea (GYB), R. Bracher, D. Brown, P. Conway (PC), C. Covell, Jr., R. Dana (RD), P. Faber (PF), L. Ferge (LF), R. Gattelle (RG), R. Heitzman, Q. Hess, L. Hoying (LH), R. Huber (RH), R. Kuehn (RK), I. Leeuw (IL), R. Letsinger, E. Metzler, W. Miller (WM), M. Nielsen (MN), D. Parshall (DP), S. Peterson, Jr. (SP), J. Pilkington, B. Ravy (BR), J. Riote, A. Ryff (AR), J. Slade (JS), L. Schaddelee (LS), J. Schwartz, A. Showalter, W. Sieker, E. Shull (ES), L. West (LW).

GENERAL COMMENTS: Another good number of reports covering at least all the states in the Region. Yet, 1974 was one of the poorest season of record for many. A late spring, coupled with an extremely dry summer and early cold weather in the fall, undoubtedly had much impact on reducing the butterflies and many moth species. The Hesperidae enjoyed a good year while many of the Satyrum, Vanessa, Sphingidae and Saturniidae were decidedly down in numbers. T. lineola continued to spread and increase in numbers over most of the Region. D. plexippus appeared again in good numbers; some reported build-ups during the fall. Many southern species appeared in northern areas again, especially A. campestris and P. coenia. Single asterisk (*) indicates new Co. record/range extension.

MISSOURI: Heitzman, after finding spring butterflies present in good numbers, reported that in most respects the season was very poor for Lepidoptera. Following cold weather and rain in late spring, a severe drought extended until September which resulted in poor collecting during summer and fall. Moth collecting was below normal, especially for Sphingidae. The Heitzmans spent the first week in April in the Ozarks near Warsaw collecting A. midea and E. o. rosa in greater numbers than ever and fine series of P. p. asterius, joanae, glaucus, B. philenon, E. juvenalis, horatius and martialis. C. henrici and gryneus were very rare. Good records were G. lygdamus and C. nippon in Franklin Co., 10 April. ** Letsinger, in SW part of the state, reported better moth collecting but not as good as 1974: Cerma cora, 27 April; Campaea perlata, 4, second state record; Gon. furciferata, 2, first in 30 years; Ypon. multipunctella, second specimen from the state. ** STATE RECORDS: Jasper Co. (JC), Newton Co. (NC) - det. by E. L. Todd - Adita chionanthi, 17 Sept.-16 Oct. (JC); Argy. basigera, 22 May (JC); Melipotis perpendicularis, 18 May (JC); Parahyp. quadralis, 28 Aug. (JC); Phil. metonalis, 12 May (NC); det. by Heitzman-Micro. vibicalis, 12 Aug. (JC); Diasemia nigralis, 14 Aug. (JC); M. rufofascialis novalis, June (NC).

KENTUCKY: Weather was marked by an average spring, and a rather wet summer, with heaviest rainfall during the whole month of August. Temperatures were moderate, with no extended hot and humid spells. Fall was normal, except that killing frosts occurred rather early in October, with warm daytime weather extending into November. ** C. V. Covell, Jr. and son collected in 11 counties, and now have completed the state-wide survey, collecting at least 5 butterfly species in each of the 120 counties. While they did not collect any extremely interesting species, some of the best catches were: B. toddi, Scott Co., 20 April (this species has shown remarkable increase in Kentucky in the past 3 seasons); G. lygdamus and A. vialis, 20 April, Wolfe Co. near Natural Bridge State Park; L. anthedon, 6 Aug. in downtown Louisville; A. delaware, 5 Sept., Oldham Co.; and S. cybele, 11 Sept. late record, Oldham Co. C. cesonia and L. thoe were not found in usual localities in Jefferson Co., in Sept. and Oct. ** Interesting records contributed by other collectors include: P. virginianensis, 1 May, Bell Co., J. Ettman, 21 April, Menifee-Powell County Line, G. Straley and H. Wagner, Jr., 29 April, Owsley Co., sighted by L. Gibson; C. harrisii and E. phaeton, 26-28 May, Butcher Hollow, Whitley Co., L. Koehn; P. gorgone, 31 May, Whitley Co. (Koehn); S. acadica, 30 June-7 July, Whitley Co. (Koehn); P. faunus and S. diana (worn male), 8 Aug., Butcher Hollow, Whitley Co. (Koehn). ** Numerous new moth records were recorded in 1974, and the whole Lepidoptera survey count now stands at 1,420 species for Kentucky. Some notable captures this season include: T. zenobia, 23 Aug., Paducah, McCracker Co. (B. Black); P. astylus, near Ashland, Boyd Co. (W. Watkins); and the small geometrid L. labeculata, 19 Aug., Jefferson Co. (A. Brownell), 24 Aug., McCracker Co. (Black) - all new state records! ** Ryff, collecting in the Mammoth Cave National Park area, found the following butterflies common on 18, 19 April: E. marcellus, B. philenor, A. midea, C. gryneus, A. andria, and E. gemma.

WEST VIRGINIA: Showalter, the only one reporting, found C. interior very common 20 July along the Atlantic Seaboard Corp. Pipeline, Roaring Plains, in northeastern Randolph Co. He has collected interior at this locality for the past 3 years, with mid-July peak.

OHIO: Brown, his first report, indicated a very dry year with good collecting from mid-May to October in eastern Van Wert Co. P. asterius was common all season while P. cresphontes and B. philenor were rarely seen until late summer. ** Hoying, reporting from west-central Ohio, found butterflies scarce from early spring until late fall, with populations declining in recent years, with the exception of P. glaucus. He found S. liparops ssp. and P. batesii new to the area. Parshall found spring collecting a little above average in south-central counties, finding P. hobomok, zabulon, E. clarus and C. nycteis common on 25 May.

CHOICE BUTTERFLY RECORDS: P. zabulon, 17 Aug., Franklin Co. * (DP), 24, 25 Aug., Adams, Scioto, Clermont Co.s (AR); P. verna, 17 Aug., Franklin Co. * (DP); E. v. metacomet, 17 Aug., Franklin Co. * (DP); A. midea, 20 April (good showing), Vinton Co. (DP); C. henrici, 20 April, rare, Vinton Co. (DP); S. cecrops, 25 May, 3 specimens, Vinton Co. (DP); P. m-album, 20 April, permanently established, Vinton Co. (DP); B. toddi, 21 April, Franklin Co. *; N. milberti, March, hibernating in barn (LH). ** Metzler sent in lists of 54 moths mainly Noctuidae, believed to be either new state or county records. CHOICE SPECIES from Vinton Co. Noctuidae: Acronicta betulae, 17, 18 May, 7 Sept.; Phuphena u-album, 19 July; Phos. turbulenta, 19-21 July; Agr. fallax, 19 July; Cirr. triangulifera, 7-9 Sept.; Oruza albocostaliata, 20 July; Hyperstrotia villificans, 19 July; Thioptera nigrofimbria, 19 July; Epipeuxis diminuendis, 19, 20 July; Tetanolita floridana, 8 Sept.; Arctiidae: Crambidia uniformis, 8 Sept.; Pagara simplex, 18 Sept.; Cisthene packardii, 8 June, 6 Sept.; C. plumbea, 8 June, 6-8 Sept.; Nolidae: Nola cilicoides, 8 June, 20 July; Nigetia formosalis, 8 June.

INDIANA: Bracher reported a very poor season with a hot dry summer, and found butterflies definitely down or absent in favorite areas. Shull, reporting from 3 northeastern counties, found May unseasonably cold, June too wet, July too dry, and an early frost (23 Sept.). He collected 69 species of butterflies, a ten year low! He found many common Hesperidae rare or absent, and the following uncommon: P. napi oleracea, 13 July, 20 Aug.; P. massasoit, T. lineola, H. titus, S. acadica, S. aphrodite, E. phaeton, C. p. nephele, 13 July, Mongo, LaGrange Co. Shull found E. marcellus down in numbers, P. cresphontes fairly constant until 23 Aug., and other Papilionidae were common in NE and central counties. Scattered migrants of D. plexippus were reported during 14-22 Sept. At 56 degrees on 14 Sept. a steady migration of plexippus occurred in Delaware, Grant, Huntington and Wabash Counties. ** CHOICE RECORDS: P. mystic, 5 June, Wabash Co. (ES); H. phyleus, H. leonardus, 7 Sept., Wabash Co. (ES); S. caryaevorus, 6 July, Kosciusko Co. (ES); L. helloides, 21 June, Wabash Co. (ES); L. dorcas, 13 July, Mongo, LaGrange Co. (first for Shull); L. p. americana, 9 Oct., late date, Wabash Co. (ES); L. melissa samudis, 2 June, 16 July, Lake Co. (IL); G. lygdamus couperi, 22 May, Lake Co. (IL); B. selene myrina, 3 June, Mongo, 20 July, Fulton Co.*; 26 July-7 Sept., Wabash Co. (missing until several years ago) (ES), 16 July, Lake Co. (IL); S. idalia, 7 July, Lake Co. (IL); S. aphrodite alcestis, 7 July, Lake Co. (IL); L. eurycle, 16 Sept., late date, Wabash Co. (ES); MOTHS: C. innubens fm. scintillans, 24 Aug., Wabash Co. (ES); C. antinympa, 16 July, Lake Co. (IL).

ILLINOIS: The 1973-74 winter in northeastern Illinois was cold and snowy from November to mid-January; mild with little snow through mid-March. Spring months were cool and wet, with collecting season one to three weeks late. The summer was dry with temperatures below normal. The season ended early with near freezing temperatures in the last of September. Conway found marsh species enjoyed a good season and Satyrium almost totally absent. Both Conway and Faber reported a dynamic rise in P. sennae eubule from mid-July to 7 Sept. in Union and Mason Counties. Conway counted at least 3 to 4 eubule in sight at all times and counted 80 specimens along a 2 mile stretch of road in the Sand Ridge State Forest on 7 Sept. Although there was no migration pattern, the butterflies were avidly visiting flowers. ** Faber reported an increase in B. philenor and a decrease in P. cresphontes in Union Co. Leeuw reported the following abundant in NE counties; E. conspicua, dion, 16-18 July, Cook Co.; T. lineola, incl. fm. pallida (6 specimens), 30 June, Kane Co.; E. olympia, 11-19 May, Lake Co.; C. polios, 26 April (males), 5 May (females), Lake Co.; L. thoe, 29 Aug. McHenry Co.; L. helloides, larva on Polygonum sp., McHenry Co.; E. phaeton, 23 June, Cook, McHenry Co.s. ** CHOICE BUTTERFLIES: A. samoset, 13 June, Union Co. (PF); A. vialis, 25 May, Mason Co. (PC); E. bimacula, 5 July (males), Iroquois Co. (PC); P. massasoit, 5-16 July, Cook, Iroquois Co.s (PC, IL); P. zabulon, 25 May, 1-7 Sept., Mason Co. (PC); P. byssus, 6-16 July, LaSalle, Mercer, Union Co.s (PC, PF); A. delaware, 1-7 Sept., Mason Co. (PC); A. campestris, 5 July, 1-7 Sept., Iroquois, Mason Co.s (PC); H. phyleus, 24 Aug., 7 Sept., Mason, McHenry Co.s (PC, IL); P. communis, 16 July, 7 Sept., LaSalle, Mason Co.s (PC); S. m. hayhurstii, 25 May, Mason Co. (PC); A. cellus, 15 June (6 specimens), Pinehills, Union Co. (PF); E. marcellus, B. philenor, 21 July, Jefferson Co.* (RG); P. protodice, 1 Sept., Mason Co. (PC); C. gryneus, 11 May, Mason Co. (PC); E. tarquinius, 31 Aug., Vermilion Co. (PF); S. idalia, 1-7 Sept.

Mason Co. (PC); B. toddi, 16 July, LaSalle Co. (PC); C. gorgone carlota, 7 Sept., Mason Co. (PC); P. coenia, 21 July, Jefferson Co.* (RG); A. andria, 14 Aug., (strong second brood), Union Co. (PF); L. appalachia leeuwi, 3 Aug., Lake Co.* (IL); C. p. nephele, 21 July, Jefferson Vo.* (RG). ** Schwartz reported P. glaucus (including light and dark females-50/50) quite abundant in two Forest Preserves in Kane Co. in August. ** Few reported on the moths, although Schwartz found C. promethea, H. cecropia and T. polyphemus common in Elgin, Kane Co. Faber found A. luna down from last year in Union Co. ** UNUSUAL MOTHS: S. franckii, 15 June (pair), Union Co.* (PF); S. eremitus, 30 July, McHenry Co. (IL); D. versicolor, 22 Aug., Union Co. (PF); C. angulifera, 15 Sept. late date, Union Co. (PF); wild hybrid C. promethea-angulifera, emerged from cocoon found near Carbondale (J. Schwartz); T. zenobia, 12 Aug., Union Co. (PF).

IOWA: Gatrell was the only one reporting from the state in Harden and Johnson Counties on 22-30 July. Adverse weather and floods in spring had an effect on the poor season. Species collected in 1973 but missing in 1974 included: S. idalia, cybele and aphrodite alcestis. Species taken this season but absent last year were C. gryneus, S. c. falacer, and E. cymela. C. gryneus was observed in copula at 1900 and on the wing until 2100. Caged female oviposited on red cedar freely. Also taken in Johnson Co. was L. eurydice fumosus; a female was observed ovipositing on a wide variety of plants at 1600. A series of B. selene nr. nebraskensis was also taken. In Pine Lake State Park, Harden Co., Gatrell collected S. liparops strigosa, P. interrogationis, comma, A. celtis and clyton.

MINNESOTA: Dana and Huber sent reports from widely scattered counties of interesting and new records; Parshall noted a few species in Cook Co. enroute to Canada. ** UNUSUAL RECORDS: E. conspicua dion, 28 July, Pine Co.* (RH); A. campestris, 27 July, Wabasha Co., 15 Sept., Washington Co. (RD); H. ottoe (RD), dacotae (RH), 6 July, 1 1/2-4 mile S of Lake Benton, Lincoln Co.; O. powesheik, 6 July, Cottonwood, Jackson, Nobles Co.s* (RH); C. palaemon mesapano, 23 June, abundant, Lake Co. (RH); C. cesonia, 15 Sept., one female, Washington Co. (RD); E. lisa, 11-23 Aug., Washington Co., (RD); N. iole, 27 Aug., abundant, Wabasha Co. (observed 2 females ovipositing on Mollugo verticillata) (RD); E. olympia, 4 May, Blue Mound State Park, Rock Co.* (RH); C. gryneus, 4,5 May, Rock, Scott Co.s* (RH); C. niphon clarke, 26 Mary, Winona Co.* (RH); F. tarquinius, 27 May, Pine Co. (RH); S. caryaevorus, 8 July, very common, Hennepin Co. (RD); S. liparops, 6 July, Rock Co.* (RH); L. x. dione, 14 July, Carlton Co.* (RH); H. isola, 18 Aug., Pipestone Co. (RD); L. argyrognomon nabokovi, 14 July, McNair, Lake Co. (RH); S. idalia, 6 July, Rock Co. (RH), 27 Aug., Wabasha Co. (RD); E. phaeton borealis, 28 July, Pine Co.* (RH); P. coenia, 27 Aug., Wabasha Co. (RD); C. inornata, 14 July, Carlton Co.* (RH), 14 June, Cook Co. (DP); O. macounii, 23 June, Lake Co. (RH); E. discoidalis, 1 June, several males and females, Lake Co. (RD); Sphinx luscitiosa, 14 July, Lake Co. (D. Day). ** STATE RECORD: E. bimacula, 28 July, one worn female, Pine Co. (RH).

WISCONSIN: Six collectors responded reporting a relatively good season. Ferge, filing his usually complete report, found butterfly collecting very good during the year throughout the state-his most successful season to date! Emergence of spring species was about one week later than normal. The month of June was quite rainy, but a dry period prevailed through July and August. The collecting season was initiated on 16 April with Polygonia, N. j-album and B. infans in Marathon Co., and ended on 5 Nov. with one C. philodice. Ferge reported collecting about 20 P. cresphontes on 21 August in Iowa Co., and Ravy found P. glaucus in greater numbers than in the past 3 years. Several found Euphyes sp., Erynnis sp., S. calanus falacer, and E. cymela common.

CHOICE BUTTERFLIES: A. hianna, 29 May-11 June, Burnett, Eau Claire Co.s* (confirming an old record) (RD, FK); E. bimacula, 5-14 July, Florence, Marathon, Marinette Co.s (GB, LF, FK); E. conspicua dion and P. viator (abundant), 21 July, Ozaukee Co. (GB); P. origines, 30 June, Iowa Co. (LF), 14 July, Waukesha Co. (GB); A. campestris, 7 July, 5 Sept., Polk, Winnebago Co.s (RD, BR); H. ottoe, 4 Aug. Grant Co.* (second state record) (LF); H. comma laurentina, 1 Aug., Sawyer Co. (FK); T. lineola fm. pallida, 6 July, Milwaukee Co. (GB); E. lucilius, 19 May-2 June, Eau Claire Co. (FK); E. martialis, 19 May, 6 Aug., Eau Claire Co. (FK); P. glaucus dark females (6), Walworth Co. (RK); C. cesonia, 4 Aug., Grant Co.* (LF); E. lisa, 4 Aug., Grant Co.* (LF); C. muticum, 14 July, Waukesha Co. (GB); C. gryneus, 4 Aug., Grant Co.* (LF); C. henrici, 26-29 May, Burnett Co. (RD); S. edwardsii boreale, 20 July, Marathon Co.* (LF); S. liparops strigosa, 4-24 July, Eau Claire (FK), Ozaukee (GB) Co.s; S. l. nr. fletcheri, 13 July, Marinette Co. (BR); H. isola, 4 Aug., Grant Co.* (LF); L. melissa samuelis, 26 June, 13 Aug., Burnett Co., Eau Claire Co. (RD, FK); P. saepiolus, 5-7 July, Florence Co. (FK); L. helloides, 13 Aug., 27 Oct., Kenosha, Marathon Co.s (GB, LF); L. x. dione, 13 July, Chippewa Co. (FK); J. coenia, 5 July, Marinette Co. (GB); N. j-album 4-17 July, Eau Claire Co. (second record for Co.) (FK); P. comma, 4 Aug., Grant Co.* (LF); P. faunus, 20 July, Marinette Co., (RK); P. satyrus neomarsyas, 20 July, Marinette Co.* (RF); C. gorgone, 10 June, Polk Co. (RD); B. freijsa ssp. (15), 25 May, Oneida Co. (LF, RK); B. eunomia dawsoni, 20 June, Marathon Co., (LF); S. idalia, 30 June, Iowa Co. (LF); L. appalachia leeuwi, 13-20 July, Marathon, Waukesha Co.s* (LF, RK); O. chryxus strigulosa, 26 May, Marinette Co. (LF, RK); O. jutta ascerta, 20 June, Marathon Co. (LF); E. discoidalis (10) 25 May, Oneida Co, Forest Co. (LF, RK). ** STATE RECORD: E. persius (det. M. Nielsen), 26-29 May, Adams, Burnett, Wood Co.s (GB, RD). ** Only Ferge and Sieker reported on the moths. While Sieker found Sphingidae and Catocala sp. down in numbers, Ferge reported good results with both groups, especially C. cerogama, unijuga and relicta. Ferge also found Saturniidae and Arctiidae present in good numbers. A number of Notodontidae were more abundant than usual including P. ferruginea, O. elegans, N. simplaria and P. rimosus. ** CHOICE MOTHS (LF): S. luscitiosa, 29 May, S. canadensis, 2 July, S. eremitus, 18 July, Marathon Co.; H. columbia, parasitized cocoon, Oneida Co.*; H. maia, 26 Sept.-10 Oct., Marathon Co.; S. prima, 26 May, Marinette Co.; P. assimilans, 8 June, Oneida Co.; A. parthenice, 16-22 Aug., Marathon Co.; C. subnata, 22 Aug., similis, 6 Aug., praeclara, 27 Aug., mira, 16 Aug., all Marathon Co.; C. whitneyi, 4 Aug., Grant Co.

MICHIGAN: Spring had above normal rainfall; an extremely dry summer was followed by an early frost. The season was approximately one week late with many mid-season species emerging later than normal. Although 1974 was not the best collecting season, a total of 110 butterfly species were reported from 8 collectors. Most Hesperidae were as common as last year, while most Satyrium, Sphingidae and Saturniidae were down. Species commoner than usual were A. delaware, H. sassacus, E. clarus, P. glaucus, cresphontes, P. napi oleracea, S. acadica, L. thoe, N. milberti, P. progne, E. phaeton, and L. appalachia leeuwi. ** Slate reported from Isle Royale National Park, recording 57 species of Lepidoptera, most representing new distributional records. This is the first comprehensive report from the Park in many years!

CHOICE BUTTERFLIES: A. samoset, Barry Co.* (WM); A. hianna, 2-14 June, Newaygo Co. (PC, MN); E. bimacula, common July 5, Oakland Co. (AR); 27 June, Kalamazoo Co.* (WM); E. dukesi, 14-27 July, Monroe Co. (MN); E. conspicua, dion (common), 11 July, Cass, Kalamazoo Co.s (PC, WM); P. origines, common, Kalamazoo, St. Joseph, Van Buren Co.s* (WM); A. campestris, (1), 4 Sept., Allegan Co.* (WM); H. ottoe, Allegan Co. (WM); O. powesheik, 19 July, Springfield Twp., Oakland Co. (new colony) (AR); C. palaemon mesapano, 13 June, Oakland Co.* (AR); P. centaureae, 18-27 May, Otsego Co. (MN, LW); E. baptisiae, 27 July, Monroe Co. (MN); E. marcellus, scarce, Kalamazoo Co. (WM); P. protodice, 27 July, Gratiot Co.* (first reported in many years) (SP); C. muticum, Van Buren Co.* (WM); C. irus ssp., 21 May-2 June, Montcalm, Newaygo Co.s (PC, WM, MN); C. henrici, 20, 21 May, Montcalm, Newygo Co.s (PC, WM); C. polios, 18-24 May, Chippewa, Otsego Co.s (GYB, MN); S. caryaevorus, 6 July, Lenawee Co. (GYB, MN); S. boreale, 6-13 July, Ingham*, Lenawee Co.s (MN); L. epixanthe michiganensis, 30 June-6 July, Allegan Co. (PC, IL, WM, LS); F. tarquinius, Allegan*, 17 Aug., Clinton Co.s* (WM, MN); P. saepiolus, 6-9 July, Isle Royale N. P. (JS); L. melissa samuelis, 2-14 June, 21 July, Allegan, Montcalm Co.s (WM, MN, LS); G. lygdamus couperi, 22 May, Newaygo Co. (IL); P. batesii, 6-23 July, Isle Royale N. P. (JS), 8 June, Newaygo Co. (IL); B. eunomia dawsoni, 22 June, Chippewa Co. (GYB, MN); S. cybele krautwurmi, 21 July, Baraga Co. (IL); E. mitchellii, 4-11 July, Cass, Jackson* Co's (GYB, PC, IL, WM, MN); C. inornata, 22 June, Cheboygan, Mackinac Co's (GYB, MN); O. chryxus strigulosa, 21 May, Newaygo Co. (PC, WM).
FOODPLANT RECORD: P. centaureae, female ovipositing on wild strawberry (Fragaria virginiana), 22 May, Otsego Co. (LW); first authentic foodplant record to date! ** Moth collecting was quite productive during most of the season; however, fall species were reduced because of cold weather. Catocala dropped somewhat from last year, although 35 species were collected. Papaipema sp. were reduced in numbers.

CHOICE MOTHS: Sphinx canadensis, 20 Aug., Clinton Co.* (MN); Brach. borealis, 27 April, Otsego Co. (GYB, MN); Feralia jocosa, major, 27 April, Otsego Co. (GYB, MN); Papaipema speciosissima, 28 Sept.-10 Oct. Clinton Co. (MN); P. sciata, Cass Co.* (MN); P. beeriana fm. lacinariae, 7 Sept., Otsego Co. (MN); P. u-album, 21 May, Clinton Co.* (GYB); Catocala residua, 2 Aug., Lenawee Co.*; subnata, 2-25 Aug., nebulosa, 23 Aug., minuta, 3 Aug. (late date), Lenawee Co. (MN); C. angusi fm. lucetta, 29 Aug., St. Joseph Co.* (WM); C. cerogama fm. bunkerii, Barry Co.* (WM); Pyrrhia exprimens, 5 July, Isle Royale N. P.* (JS); Heterocampa subrotata, 8-28 June, Lenawee Co. (MN); Heteropacha rileyana, 8 June, Lenawee Co. (MN); Adela purpura, 27 April, Otsego Co.* (MN); Hyperitis alienaria, 1 July, Isle Royale N. P.* (JS). ** STATE RECORDS: Papaipema eryngii, boring and frass evidence in Eryngium yuccifolium, (det. by E. Quinter), and P. silphii, boring and frass evidence, one pupa, in Silphium terebinthinaceum, (det. by E. Quinter), Cass Co. (MN), Euchlaena muzaria, 18 July, Isle Royale N. P., and Anagoga occiduaria, 19 June, Isle Royale N. P., (JS).

ONTARIO: Riote reporting from Chaffey's Locks area, Frontenac Co., found C. niphon clarki, henrici and C. pseudargiolus at the usual time, followed by cold weather. The butterflies did not recover until late in the season. P. glaucus was more numerous than usual, and the Erynnis were well represented, including juvenalis and lucilius. Most other butterflies were scarce. The Monarchs were down from previous years. The moths were also below normal. Most notable record for the year was one Erora laeta (female), on 14 May - the first collected at Chaffeys Locks! ** Quimby Hess sent in an extensive report, too late for incorporation. It will be summarized in later News. ** Pilkington reported on 41 species of butterflies from Essex County, including P. hobomok, 8 June; T. lineola, plentiful 22 June into July; E. lucilius, common early June into July; S. edwardsii, 28 July, S. acadica, 5 Aug., L. bachmanii, 6 July-7 Sept. He also reported on moths taken at bait in Windsor. Notable captures included D. inscriptum, 3 July; A. privatus, 12 Sept., C. flebilis, 6 Sept., C. briseis, 15 Aug., and C. vidua, 15 Aug., 12 Sept. Both Pilkington and Ryff observed P. cresphontes common on Pt. Pelee. Pilkington observed a spectacular fall build-up of Monarchs at Pt. Pelee. Hundreds gathered in fields north of the Point feeding on boneset in September; of 54 specimens netted and released on 7 Sept., NOT ONE was a female! Only a few females appeared on 15 Sept. Interesting question: Why would males, some having been on the wing for some time, wait at such a gathering place for females before crossing Lake Erie???

ZONE 6: SOUTH: ARKANSAS, LOUISIANA, TENNESSEE, MISSISSIPPI, ALABAMA, FLORIDA, GEORGIA, SOUTH CAROLINA, NORTH CAROLINA, AND VIRGINIA. Coordinator: Bryant Mather. Contributors: Richard E. Price, Jr.; Douglas Brown; Michael J. Plagens; Ray E. Stnaford; Amos H. Showalter; Irving L. Finkelstein; Richard H. Smith, Jr.; Richard T. Arbogast; Wayne A. Miller; Vernon A. Brou, Jr.; Paul J. and Sandy Russell; D. L. Burris; Richard W. Boscoe; Linwood C. Dow; Ronald R. Gattelle; Ron Leuschner; Glenn S. Morrell; Paul H. Faber; Charles T. Bryson; Reinhardt Badow; Jack Longino.

LOUISIANA: Brou sent 1845 geometrids through Mather to Dr. F. H. Rindge at the AMNH; 13 of the 85 species included had not been in previous lots; they were: Sterrha punctofimbriata, Eupithecia jejuna, Diactinia atricolorata, Hydriomena pluviata meridionata, Xanthorhoe lacustrata, Earophila multiferata, Cleora sublunaria, Pseudoboarmia umbrosaria, Glena cribrataria, Phaeoura quernaria, Phigalia olivacearia, Paleacrita merricata, and Euchlaena pectinaria. They were collected at Prairieville. Brou also reported taking Horama texana in New Orleans on 5 Nov.

TENNESSEE: Brown took B. philenor and C. regalis at Caryville, Campbell Co. on 19 July; on 20 July he observed hundreds of Trichodezia albovittata at Clingman's Dome; he took E. claudia and observed P. coenia at Pegeon Forge, Sevier Co. Miller reported the following from Clay Co: L. creola 27-28 June, 3 taken at dusk, worn; S. diana 25 June, very worn, one; F. tarquinius 14 & 19 July, one each, worn; L. accius 14 and 19 July, 5 in clover field; E. conspicua 27 June, one, worn, det. by M. C. Nielsen; P. s. eubule 8 July-22 Aug. uncommon. C. angulifera 22 June-19 July, common; Sphinx canadensis, 11 July, one, may be a state record; S. frankii 13-18 July, 8, six taken by Glenn Belyea; P. rustica 27 June-19 July, three; X. tersa 23 June, one; A. nessus 16 July, one on cat carcass; Catocala relicta 21 Aug. one; C. clintoni 27 June one; C. illecta 27 June one; C. micronympha 23 June one; C. judith 17 July one.

MISSISSIPPI: At Dorman Lake, Oktibbeha Co. on 24 May Bryson took two females of Oligoria maculata and at the same locality on 17 Aug. one male, a new county record and north range extension.

ALABAMA: Leuschner on 1 Aug. camped in a forest 15 mi. SW of Mobile; he took 76 moths (11 macros, 65 micros) including Doryodes spadaria and Xylormisa louisiana. (Note by coordinator: X. louisiana is not yet known from Mississippi). Bryson on 2 May took three males of A. hianna at Green Mt. SE of Huntsville, Madison Co., and he took one pair of A. cellus SW of Hackleburg, Marion Co.

FLORIDA: The coordinator received several reports again this year of the finding in Florida of species not previously known there; also of the absence of species formerly found; the significance of these observations is difficult to establish. Has Florida had a net gain or less in the last century? Stanford reported the following among material taken in May 1973 at Miami by Wayne W. Klopp: Cymaenes tripunctus (confirming occurrence in US), U. dorantes, P. oileus, E. brunnea, C. minima, P. vibex, P. baracoa, W. otho, A. capucinus, L. eufala, O. maculata, P. ocola, P. panoquinoides. May '73 material by Klopp from Big Pine Key included: S. columella modesta and S. martialis. Miami late July-mid Aug. '73 (Klopp): U. dorantes, P. oileus, E. brunnea, E. palatka, P. baracoa, W. otho, P. aaroni howardi, A. delaware, O. maculata, L. accius, C. tripunctus (again common), L. eufala, P. ocola, and Electrostrymon a. angelia; Miami 1 Jan. '74 Cholorostrymon s. simaethis and E. a. angelia (common). Finkelstein reported taking M. stelenes biplagiata on 17 Mar. at Flamingo Road in Broward Co. (1 pair) and four on 16 Sept. at same locality. At Key Largo, Monroe Co. on 18 Mar. he took P. batabano (3m lf) and P. manuelli (4m lf); on 20 Mar. he took S. maesites (1m) and S. simaethis (2f), ten more were taken there on 10 and 12 May and 7 June. He took E. angelia on 1 Dec. at Lauderdale West, Broward Co. (5m) on Solidago tenuifolia (County record). Albino specimens of N. iole were taken at Princeton, Dade Co. on 21 Mar. and 10 May. On 10 May at Key Largo P. aristodemus ponceanus was observed (3) and seven, all badly worn (6m lf), were taken 7 June; this was a poor season for this species because of the dry season and extensive brush fires. On 8 June two males of D. eresimus were taken at Lauderdale, Broward Co. The Russells found M. stelenes flying with numerous M. petreus feeding on flowers of Syzzgium cumini in the morning at Coral Gables on 22 & 25 Mar.; E. a. angelia common 18-29 Mar. at blossoms of Jaquinia pungens with S. m-album, S. favonius, and S. cecrops. On 22 Mar. they found a group of eleven larvae of A. io lilith arranged at the tips of branches of a heliotrope (Tournefortia sp) mimicking the blossoms of the plant. Burris reported on three areas: (1) Bayport, Hernando Co.: late Mar. to mid Apr.: S. gryneus sweadneri, E. brizo somnus, A. jatrophae guantanamo, E. cymela viola, E. areolata, P. panoquin, U. dorantes, P. a. howardi, P. themistocles, E. clarus, E. palatka, A. nessus, and five males of C. carolina (= securifera) flying at midday in a swampy deciduous woods. (2) Collier-Seminole State Park, Collier Co.: 27 Jan.: A. drusilla neumogeni, M. petreus, J. evarate zonalis, U. dorantes, P. panoquin, A. rubicunda, and A. virginicensis. (3) Tampa Bay area: Winter mild but cool into Apr.; rainfall below average except for June when over 10 in. fell; A. loammii taken 21 Apr., A. luna 24 Jul. ** Boscoe at Satsuma, Putnam Co., 5 June found A. halesus common; at Key Largo on 7 June he found B. pseudofea abundant in Salicornia; at Islamorada, Upper Matecumbe Key, Monroe Co. on 7-9 June: A. drusilla, M. petreus, B. tatila, P. leo, P. batabano, U. dorantes, and P. agarithe. On 7 June at Florida City, Dade Co. P. philea. On the Tamiami Trail west of Sweetwater, Dade Co. on 10 June: H. charitonius very common, D. julia (2), C. virginicensis common. In Collier Co. on 11 June D. gilippus very common; on 11 June at La Belle in Hendry Co. A. monuste common. ** Dow reported for Dunedin, Pinellas Co.: P. cresphontes, P. t. ilioneus and G. marcellus lecontei were common, most abundant in Sept.; Polyxenes was rare, female taken 22 Sept., P. glaucus australis common in Apr. and in Aug.-Sept.; one dark female taken 21 Sept. on Liatris spicata; palamedes seen often in Apr. but not many taken; one G. marcellus taken 4 Mar.; B. polydamus common in Sept., philenor scarce 15-22 Aug., A. clyton flora (Apr., Aug.), A. celtis alicia (Apr., Aug.), D. gilippus (Jan.-Oct.), L. cassius (all year), H. ceraunus antibubastus (Jul.-Dec.), B. pseudofea on Caladesi I. 2 Feb., S. cecrops (June-Nov.), S. m-album (Apr., Sept.), A. halesus (5 Oct.), C. eurytheme (Jan., Sept.), N. iole (July-Dec.), E. lisa (June-Sept.), E. दौरa (Jan., Aug.-Dec.), E. nicippe (Aug.), P. rapae (Sept., Dec.), P. protodice (Aug.), A. monuste (Feb., Aug.), P. philea (Jan., Aug.), P. s. eubule (Jan., Aug.) P. agarithe (Jan., Aug.), P. statira floridensis (20 Sept.), L. a. floridensis (Mar., Aug.-Sept.), H. c. tuckeri (all year) A. v. nigrior (Aug), P. interrogationis (Apr.), P. coenia (Jan., Sept.), E. claudia, (15 Sept.), L. bachmanni (Apr.), V. virginicensis (Jan., Apr.), V. atalanta (Jan.-Apr.), A. jatrophae guantanamo (July-Sept.), P. phaon (all year), E. h. sosybia (Dec.-Jan.). E. odorata (28 June), Harrisina americana (4 Aug.), Scepsis fulvicollis (28 Dec.), A. io larvae collected 27 Nov. emerged Feb., E. ello common Feb.-Oct., H. thysbe (21 Sept.), L. coniferarum (3 Aug.), P. robiniae (25 Mar.), P. pandorus (23 Apr.), P. fasciatus larva collected Sept. emerged Jan., A. nessus (May, Sept.). ** Gattelle on 4-5 May at Istachatta, Hernando Co. found P. baracoa, S. calanus wittfeldi, E. favonius and M. g. sweadneri; at Rock Springs on 5 May he took L. portlandia floralae topotypes. In the Homestead area on 9-10 May D. eresimus, E. dina, H. c. tuckeri; 8 May Grassy Key: S. columella modesta; 8 May Big Pine Key S. acis bartrami, and A. aidea floridalis (larvae from Croton pupated 14 May, emerged 26 May); 8 May Key West Cymaenes tripunctus. ** Leuschner at Key Largo on 28 July took L. cassius theona, Nola lagunculariae (?), Casandria filifera, Pleuroprucha asthenaria, Sterrrha insulensis, Cysteophora pervertipennis, Dicymolomia metalophota; at Venice, Sarasota Co. on 29 July he took A. jatrophae, C. minima, P. vibex, O. maculata, L. accius; at Peary on 31 July he took Euerythra phasma; at Gulf Hammock, Levy Co. on 31 July he took P. cresphontes, H. charitonius, L. archippus floridensis, M. g. sweadneri: at Monticello, Jefferson Co. on 31 July he took S. cecrops, S. m-album, E. horatius, E. zarucco, E. baptisiae, T. bathyllus, T. confusus, U. proteus, P. origenes, P. vibex, W. otho, L. neamatha (?), L. eufala. ** Morell reported the following for the last half of Apr., Jupiter, Palm Beach Co.: A. vanillae, H. charitonius, G. marcellus, P. cresphontes, P. polyxenes, B. polydamas, E. favonius, C. cecrops, P. m-album, P. coenia, P. statira, A. monuste, C. cesonia, S. acis, E. claudia, A. jatrophae guantanamo, E. horatius, M. yuccae, P. batabano, P. oileus, Catocala consors, C. fidelissima, A. plebeius, U. bella; Hobe Sound, Martin Co.: P. philea, M. petreus, C. antaeus hydaspus (18 Mar.). ** Badow reporting for himself and Longino found P. troilus, M. petreus, D. gilippus, H. charitonius, A. vanillae, and P. palamedes at Fahkahatchee Stand, Big Cypress Swamp, Collier Co. (TIEG Newsletter 9: 22-23). ** Faber reported for Sept. and Oct., Sarasota: U. dorantes, P. m-album, P. t. ilioneus, P. palamedes, H. charitonius, H. jatrophae, P. g. australis, P. batabano. So. Miami: B. polydamas, Homestead: S. stelenes, M. petreus, E. tatilista, H. odius (sight), E. palmira. Florida City: D. julia, C. phoebis, C. philea, S. martialis.

GEORGIA: Finkelstein reported as follows: Cartersville, Bartow Co.: G. lygdamus nittanyensis 10 Mar. (new county record and Piedmont first), F. tarquinius 30 Mar. (7); Chatsworth, Murray Co. 20 Apr. P. virginensis 1 male taken, others seen; Hartlye Bridge Rd, Crawford Co. H. attalus seminole 4 May (1f), 19 May (2m 2f) new county record, first record for Georgia since 1912; Oglethorpe Mt., Pickens Co. 25 May P. hobomok (1) (County record); Arabia Mt., De Kalb Co. 3 June H. meskei (1), 13 Aug. M. harrisi (1, three more seen), P. yehl 9 Sept. (2) (County record); Cooper Creek State Park, Fannin Co. 22 June P. faunus symthi (5) 25, 29 June, 9 July; S. diana 3m 25 June, 5m 29 June, 6, 9 July, 3f observed; Northside Drive & I-285, Atlanta, Fulton Co. S. kingi 20 July. ** Arbogast took a male of A. jatrophae on 22 Sept. at Fort Jackson near Savannah. Gatreille found P. a. howardi rare in Chatham Co. after a good year in '73. 1 female on 2 Sept.

SOUTH CAROLINA: Arbogast took one male of P. bulenta on May 4 and found it abundant on 10 & 16 Aug. at Savannah National Wildlife Refuge, Jasper Co. ** Boscoe on 4 June along Route 17 north of Santee in Georgetown Co. found P. viator common, he took as many as 10 in one sweep of the net, he also took two E. dukesi (new for S.C.). ** Gatreille took female of I. henrici on 31 Mar. at Givhans Ferry St Pk, Dorchester Co., similar to margaretae; in Berkeley Co. E. brizo was up in numbers and I. irus was down, E. alabamiae was taken on 16 June, L. portlandia, L. creola, E. gemma, and A. aesculapius were taken in his back yard.

NORTH CAROLINA: Price took 34 Pieris virginensis between 1 Apr. and 8 May on Co. rd. 2178 in Buncombe Co.; at this locality he also took 1 male of C. ebenina on 26 Apr., 1 E. laeta on 26 Apr. (it lit on his net), and one G. l. nittanyensis on 27 Apr.; also in Buncombe Co. he took a male S. diana 4.8 mi east of Barnardsville and two E. phaeton in the Pisgah Nat'l Forest near Dillingham; on 22 Apr. he took P. f. symthi at 6300' in Mt. Mitchell St Pk, Yancey Co. ** Gatreille on 20 Apr. took Mitoura hesseli females who oviposited on white cedar; he took others at Raeford on 13 July and also took one P. phaon.

VIRGINIA: Plagens collected in five counties (1) Prince George (Petersburg National Battlefield Park), (2) Chesterfield (Pocahontas St Pk), (3) Augusta (Stuarts Draft, last week of July), (4) Nottaway (Camp Pickett, 11 Aug.), (5) Caroline (Camp A. P. Hill, 10 Apr.). He found: E. cymela (1,2), E. h. sosybia (1,2), E. gemma (1,2), L. eurydice (1 (four taken)), L. portlandia (1, sight); C. p. alope (4), C. p. pegala (3), S. cybele (3), M. nycteis (3, one taken), A. celtis (1), P. interrogationis (1), S. m-album (3, taken 11 Aug. on sumac), S. cecrops (1-4), S. melinus (2), S. falacer (1-3), I. henrici (2, 3 taken 20 Apr.), I. niphon (2, one taken 20 Apr.), L. argiolus (1), F. tarquinius (1), P. glaucus (all), P. troilus (1,2), P. p. asterius (1,2, few), G. marcellus (2, 20 Apr. 2 sight), A. midea (1,2,5). ** Showalter reported G. l. nittanyensis and P. c. wyandot were very common in a cut over area in Poverty Hollow, Montgomery Co. around 15 Apr; P. c. wyandot female ovipositing on Potentilla canadensis; H. metea taken in Poverty Hollow from 20 Apr. to 19 May; A. hianna very common May 15-19. C. irus common in cut near Route 460 Brush Mt in late Apr. In Giles Co. on a ridge south of Guinea Mt. one E. olympia taken 20 Apr., and four C. henrici males showing territorial behavior on 27 Apr., near Eggleston on 7 July 2 pairs of A. cellus were taken. At Straight Fork in north-western Highland Co. on 22 June 8m and 2f of E. bimacula were taken as were P. mystic, H. sassacus, B. selene, S. atlantis, and E. phaeton. ** Smith took the following in Fairfax Co.: L. anhedon (new county record), C. nycteis, A. celtis, C. irus, C. niphon, C. gryneus (also taken in Loudoun Co.), C. cecrops, F. tarquinius, B. philenor, A. cellus, E. baptisiae, S. m. hayhurstii (new county record). H. titus mopsus, L. accius (new county record). He noted that P. cresphontes, once common at Great Falls, is not found there now. William Hartgroves took A. halesus on 12 Aug. and P. palamedes on 5 Sept. '73 at Chesapeake City, Nansemond Co.

ZONE 7: NORTHEAST: QUEBEC, MARITIMES, NEW ENGLAND, NEW YORK to D. C. Coordinator: P. Grey. Contributors: W. Andersen, R. Boscoe, W. Boscoe, E. Brower, D. Brown, P. Carey, C. Covell, R. Dirig, G. Ehle, J. Fales, R. Gray, D. Guzo, E. Jennejohn, W. Kiel, J. Holmes, R. May, G. Morrell, M. Okolowicz, N. Proctor, R. Robbins, R. Simmons, D. Willis, W. Winter.

QUEBEC: 1974 was the "right" (even-numbered) year for Oeneis jutta. Several collectors got fair catches despite a very adverse rainy mid-June which apparently drowned out the Boloria eunomia. Grey and Mattoon gambled with Mt. Albert on July 13. The mountain won. A superlative day, which destroyed one more theory: The "first good day after the snow goes off" is too early. Try "wait until the Valley lilacs have gone by"!

NEW BRUNSWICK: Good roadside collecting up Rt. 17 this year; Speyeria sp., G. lygdamus and L. arthemis among the "abundants" noted by Mattoon and Grey in mid-July. The Bathurst marshes, sampled by Grey in early Aug., were swarming with C. tullia nipisiquit and Lyc. dorcas dospassosi was unprecedentedly abundant in local areas. Grey claims a record sympatry for Polygonia, with six species from one locality, Aug. 5. The place, a woods road northeast of Taymouth, off Rt. 8. The species: faunus, progne, satyrus, gracilis (all more or less to be expected), comma (very far north for it) and interrogationis (the stray that capped the day). Incidentally, Hensel reports that our Polygonia heaven in the Green River Forest (Madawaska Co.) has been obliterated by a Fraser Co. pulpwood operation. How obscene are the rosy ads of the forest industries when measured against their actual cutting practices.

MAINE: Andersen collected vic. Portland, Naples and East Orland; he lists several diurnals and a few moths, common species, which he offers to give to anyone interested. We are advised that Harry Clench is working on the Callophrys eryphon (Eastern) problem, with intent to publish; interested parties should contact him. Kiel confirms a colony of B. eunomia endemic on the bogs at Wilsons Mills (Oxford Co.). Brower located a colony of Oen. jutta in T7 R7 WELS (northeast Penobscot Co.). Brower surveyed Maine quite broadly, as usual, and, statewide, '74 seems to have been a "poor" year. But Grey's observations for Enfield and environs were of a "pretty good" season, with most diurnals locally abundant and moths coming to light in good quantity. One tiny colony of L. dorcas claytoni still survives at Springfield. G. lygdamus is becoming well established in old fields in Chester and Lee. Singletons of C. tullia in Chester and E. cymela in Burlington are new local records. Andersen's Deer Isle H. comma laurentina also sounds like a new range extension. Big flights of the pustularia spanworm (throughout the upper Northeast). Biggest news was the massive invasion of the Spruce Budworm, swarming down into central Maine, very high in adjacent Canada. Heavy spraying is being advocated. Expletives deleted.

NEW HAMPSHIRE: Among reports from Kiel & Holmes, N. vau-album taken in several localities (a good year for it in the Northeast). Cossus centerensis, 27 July; and Autographa flagellum, 18 July; also a daytime capture (on Dogbane) of Pyrrhia umbra, 17 July, among the vic. Jefferson records. The A. vaccinii ssp. which flies on Mt. Washington was taken this year on Mt. Lafayette. W. Boscoe turned in a short list, mostly of sphingids, taken at blacklight, 1-6 Aug. at West Rumney, Grafton Co. Winter got a record of Erynnis persius (det. Burns) from Merrimack Co.; one larva of it was reared. A few good nocturnals taken in N. H. are sprinkled among Winter's Mass. listings: e.g., Notodonta simplaria at Wentworth, 2 June. ** The C. tullia expansion has reached the White Mtns. A record this year from Whitefield. Evidently it is having harder going in the heavier wooded areas. Further details in the Vermont section. ** Note: "Conservation" has come to Mt. Washington. Collecting permits now are required; apply to Nat. Forest headquarters in Laconia. No limit proposed for the lucrative Auto Road traffic, now at Thruway density and killing more butterflies than an army of collectors could manage to do.

VERMONT: A sprinkling of observations from scattered forays by Kiel, Holmes, et al. Speyeria fairly good in season but aphrodite down. T. lineola taken nr. Stowe, 6 July. It seems very strange that the vast rural and wooded areas of upper New England continue on the whole to be so dismally unproductive, and a bit ironic that some species which seem to thrive the best are relatively new intruders. The C. tullia invasion has been followed quite closely, thanks to continuing studies by Gray, Anthony, Kiel and Holmes. Present eastern limits of the big populations are from the Stowe Valley to vic. Danville.

MASSACHUSETTS: An extensive report by Winter, from the Westwood (Norfolk Co.) area, of about 80 species he took for the first time. In diurnals, Incisalia were up, henrici taken in Wellesley, polios in Plymouth, late April; irus in Norfolk Co. in May. From Canton, 23 April, a weird Spring Azure of the lucia persuasion, with the normal black VHW patches transposed to forewings, an ab suspected to be "new to the literature". Among moths, a Hemileuca larva found on Quercus ilicifolia, Tewkesbury, early July, eclosed an apparent lucina; also, many flying at Newbury in Sept. were adjudged to be this species. A tremendous spectrum of variation in Eubaphe opella was obtained in the offspring of a single wild-mated pair. A noctuid supposedly a southern subspecies, Orthodes furfurata lindseyi, was taken 3 June and 20 Aug. Cosmia calami was very common and extremely variable in midsummer. Catocala low again but a record of cerogama secured 23 Aug. The Heterocampa bilineata exsanguis taken 23 July is an outstanding record, a Gulf Coast subspecies. The extensive noctuid-geometrid list (plus a few micros) should be of interest to specialists. Samples: Acronicta separata, 19 June; A. afflictata schmalzreidi, 6 June; Metalepsis fishi, 30 June; Leucania ursula and inermis in Aug.; Papaipema thalictri, 13 Oct.; Achatodes zeae, 26 July; Packardia elegans and geminata in June (plus other good notodonts). ** Apparently the H. lucina were high around Newbury; Holmes also reported hitting a flight there, on 22 Sept. ** The high in C. irus was confirmed by Willis, for the Holliston-Framingham (Middlesex Co.) area, though he found lycaenids in general notably down from '73. He got new local records of C. henrici and L. thoe, and reported skippers up, also M. harrisii and S. aphrodite having local "explosions". C. palaemon and A. samoset were among the good captures. A few T. lineola were seen for the first time. A. lyciades is becoming common, noted ovipositing on tick trefoils. ** Another eastern Mass. report, from Robbins, emphasized the "hundredfold" drop in Satyrrium, which he thinks was due to a cold spell at emergence time in late June. He found L. portlandia, E. phaeton and A. lyciades high and expanding. One E. ontario was taken 10 July in Dover, a late date for it. ** Morrell took Plusia balluca, 7 July, in Charlemont, Franklin Co. Carey finds good collecting at Stebbins Wildlife refuge, in Longmeadow. F. tarquinius taken 4 June. Monarchs down and the Buckeye (abundant in '73) not seen at all. A good flight of C. niphon at South Hadley, 5-11 May. Numerous promethia cocoons harvested.

CONNECTICUT: Winter's Orthosia garmani, taken in late April at the home of the late Sidney Hessel, in Washington (Litchfield Co.) may be a new State record. Gluphisia lintneri was another good catch here (April 20). ** Another good Litchfield Co. record: The Snout butterfly, taken 6 July by Ocolowicz. ** Covell supplied lists of common diurnals taken in Fairfield Co. (16 species) and Tolland Co. (10 species). ** Morrell noted that Melittia satyriniformis was high around garden curcubites in the Hartford area. He found E. phaeton larvae plentiful on Turtlehead. He listed a few moths, including Zeuzera pyrina, 21 June. ** Dirig saw a few fresh males of A. midea on West Rock Ridge, near New Haven, 21 April. ** Proctor saw a total of six Snout butterflies, June-Aug., so there was an evident intrusion into coastal Conn. He says the Buckeye movement was poor, a few in Aug. but much lower than in '73. One eubule Sulphur, in Oct. A good Baltimore hatch in Guilford, 11 July. And a curious observation on Mohawk Mt., Cornwall, 5 Oct., of 14 N. vau-album preparing to hibernate.

NEW YORK: Dirig has filed a long (13 pg.) annotated list, in the tradition of Shapiro, Schweitzer, et al, who have enriched the Zone 7 manuscripts with detailed observations of most of the resident butterflies and larger moths, including many rearing notes. Dirig saw over 20 Pieris virginienensis at the McLean Bog (Tompkins Co.) where it has been presumed extinct, and reared this species from ova of a female taken at Hancock (Delaware Co.), 15 May. He reared six offspring from a Lyc. phlaeus "fasciata" taken at Dryden (Tompkins Co.), 23 June; all were "normal" americana. On the Purvis Bog Road, also in Dryden, Lyc. epixanthe was common, 13-21 July, and "easily found resting on short bog shrubs at dusk". Records of C. tullia presumably inornata from Oswego and Jefferson Co. in June, and an 22 Aug. record of ssp. heinemani (det. Brown) about 5 mi. N. of Watertown, abundant, fresh, mostly males, leg. David Shaw. Nearly a page of notes and records for the Karner Blue in Eastern N. A.; Dirig thinks the stronghold of samuelis is in Michigan and fears that the Albany type locality is threatened by "development". Gravevine has it that some distribution records remain unpublished, as may be justifiable under the circumstances. But see Willis's report, below. ** Dirig's extensively annotated moth list includes 11 species of Catocala, 10 sphingids, numerous saturnians and arctiids, headlined by the Thysania zenobia recorded at Ithaca 9 Sept. and taken 21 Nov. near Albany. A page of notes on a Hemileuca maia flight in the Albany Co. pine barrens. Peak hatch is about 6 Oct. A possible range extension for Callosamia angulifera: Orange Co.: Mountainville, 1 Aug., leg. John Serrao. ** Willis looked over the "endangered" Karner Blue situation, reporting large flights near Centre, in June and July. Here (and likely in most cases involving species closely tied to restricted habitats) the Band-Aid approach, limiting access of "predatory collectors", is open to argument. Aside from "development", the

threat usually comes from Nature itself, as in the present instance where successional scrub oak intrusions have a way of displacing the Lupine. Realistic conservation would entail land acquisition and management to preserve the present balance. ** A report from Jennejohn, from the Syracuse-Rochester area: A rather poor year. S. cybele continues very low. Strange absence of P. themistocles theorized may be due to expansion of T. lineola. A colony of P. batesii yielding well, 13 June. P. viator common in sawgrass marshes vic. Rochester. E. clarus and A. lyciades now both common. P. glaucus and polyxenes high, several other common butterflies noted as plentiful. The phlaeus Copper was taken for the first time in seven years, also a couple thoe (2nd brood, Sept.). S. liparops, 3 July; and L. portlandia, 7 July (both adjudged rarities here). A female C. eurytheme with FW discocellular spot elongation. Moths were scanty at light. An Agnomonia anilis in the daytime, 28 June. Interesting records of parasitism in cecropia and polyphemus cocoons, high in cecropia (50% or more), and low in polyphemus, the latter abundant but with about 7% "empties" attributed to predation by birds. ** A note re the elusive Phyciodes batesii: It has appeared for some time that the metropolis for it is in Ontario, north of New York State, but it now seems possible that the poorly explored region in N. W. New York may be a major haven. Willis found it locally abundant near Syracuse, 2-10 June.

NEW JERSEY: Counts of common diurnal butterflies vic. West Caldwell are continued by May, an interesting contribution from this super-urbanized region wherein he still now and then picks up species such as A. dion, S. acadica, E. phaeton, B. selene, a few Papilio sp., L. astyanax and S. cybele! Several species were low or absent this season. A 4:00 P.M. promethia mating: Caged reared female X wild male. The aegeriid, Bem. marginata, seen 10 Sept. The Gypsy Moth now nearly extinct here. Good bait trap captures: N. vau-album, 17 April; Euparthenos nubilis, 18 May; 8 species of Catocala, mostly in Aug. ** At Lakehurst, R. Boscoe found A. midea abundant 27 April. He says C. polios and augustinus were down, but irus and gryneus abundant around their foodplants. Four hesseli were taken 11 May, ova secured and a successful rearing accomplished on White Cedar; adults began emerging 8 July and some pupae are overwintering. Singletons of E. ontario and P. m-album were taken here 1 July.

PENNSYLVANIA: Ehle's Lancaster Co. season was poor in late summer; his analysis of local diurnal ups and downs is interesting as usual, e.g., sighting of a couple S. idalia in July (last big flights here were in 1939!). P. interrogationis and comma building up, but N. antiopa low and not seen in '74. E. claudia taken again and a singleton E. nicippe 15 Aug., the first since 1966. A small colony of L. thoe was located. P. ocola was taken 27 Oct. T. lineola thriving despite habitat losses. In Lebanon Co. Ehle found H. leonardus locally abundant in late Aug. Two fresh males of P. m-album taken on Goldenrod, 30 Aug., adding to records suggesting that this hairstreak expanded northerly in '74. ** R. Boscoe's Flourtown (Montgomery Co.) notes indicate this to be one of the few areas where Satyrium was high this year. He reports some species markedly down, viz, L. bachmanii, all Papilio, L. astyanax, J. coenia. T. lineola was abundant as usual. A. hianna was taken in late May. At Peck's Pond, in Pike Co., he got A. samoset and C. palaemon on 15 June. Brown added another P. m-album record: Gifford Pinchot State Park, 17 Aug. He sampled various areas in York Co. and obtained a number of common diurnals. ** Guzo also ran into a Satyrium concentration, a late hatch in Orange Twp., Luzerne Co.; all of the "possible" species were plentiful. He found a colony of Lethe in a marsh near Orange, exactly matching the recently described ssp. leeuwi, a new range extension. In Francis Slocum State Park collecting was excellent for many diurnals; another colony of aberrant L. phlaeus ("fasciata" and "obliterata") was discovered here, July-Aug. (Note the Kingston Twp. colony, 1973 Summary.) These populations are the only ones reported from N. E. Penna. in which aberrations run high. One specimen, taken in the Park 26 July, has DFW almost wholly black. The Kingston Twp. areas continued productive, especially for skippers and notably for Erynnis. ** For Bucks Co. (Milford Twp.) W. Boscoe's continuing reports on sphingids, saturnians and Catocala are becoming a valuable regional compendium. Highlights in sphingids this year were D. inscriptum (May & June), P. sexta in June, and D. hylaeus in Aug. Most sphingids were noted as somewhat off, C. jasminearum especially low. Most saturnians also lower than normal but catocaline pickings were good, over 20 species listed, topped by blandula in July and piatrix and concombens in Aug. A chilly October yielded only Cat. obscura and Herse cingulata. Among other observations, a high in Apantesis vittata and Anisota rubicunda (the latter generally up throughout the Northeast).

MARYLAND: Andersen and Simmons say collecting only fair; hairstreaks poor to absent. E. lisa rare in the fall and Papilio rare all year. The salt marsh skippers (panoquin, viator and aaroni) were common in Charles and St. Mary's Co. New records included B. bellona in Charles Co. and T. lineola in Frederick Co. The lineola have been common for some time in Baltimore Co. An apparent northward migration of P. s. eubule was observed at Ocean City in Sept.; the species appeared to be commoner than usual. ** Fales had a fair season for diurnals and sent in two pages of detailed records. His recent Checklist shows how rich this area is in skippers: Fifty-three species reported! This season, Strymon cecrops was especially abundant on the Western Shore, late July into September. P. m-album records, from both Western and Eastern Shore, in April; also several records of Thysania zenobia in Sept. Spring return flight of Monarchs the "best ever"; first fall migration was 15 Sept.

ZONE 8: THE FAR NORTH: ALASKA, NORTHERN CANADA, and GREENLAND. Coordinator: Kenelm W. Philip. Contributors: G. Anweiler, J. P. Brock, J. Ebner, D. P. Oosting, D. K. Parshall, D. & R. Scovell, J. W. & H. I. Tilden, C. W. Wyatt, K. Philip and collectors for the Alaska Lepidoptera Survey.

Thanks to contributors who collected in the eastern Arctic, this report covers a wider longitudinal range than most recent Summaries from this zone. The report emphasizes previously unreported localities or species; collecting is by ALS volunteers unless noted. ** Note regarding Alaska Lepidoptera Survey: The western North Slope (despite previous ALS operations at Meade River and Noluck Lake) remains one of the least well collected parts of Alaska. Funding was received from the National Geographic Society for additional collecting in NW Alaska, at two sites selected for their biotopes and locations: the Utukok River about 30 miles north of Noluck Lake, in the outer foothills of the Brooks Range; the head of the Kivalina River in the Wulik Peaks, at the very western end of the Brooks Range (DeLong Mountains). The field party consisted of K. Philip (collecting for the ALS) accompanied by Dr. Olavi Sotavalta of the University of Oulu, Finland. Weather at both sites was reasonable, with fair to good collecting 2 days out of 3, and 1712 butterflies and 228 moths were taken for the ALS. See below for species lists for these two sites. ** The ALS again (with the aid of the above-mentioned grant) equipped volunteer collectors, of whom 65 brought in over 5000 specimens from 150 localities

in Alaska, Yukon and Northwest Territories, and far eastern Siberia (Magadanskaya Oblast'). UV light traps in Fairbanks and Glennallen again produced over 2000 moths (chiefly Noctuidae, a number of micros, and some Geometridae). The 1974 total input (not yet complete) was 9700 specimens, bringing the ALS collection to 43,900 specimens.

NORTHERN QUEBEC: Fort Chimo, 29 June to 8 July. Oosting and Parshall report: Colias hecla, C. pelidne, C. nastes, Boloria frigga, B. freija, Oeneis taygete.

GREENLAND: Qanaq (near Thule, NW Greenland). Wyatt reports: Colias hecla, Boloria polaris, B. chariclea. Dryas integrifolia appears to be the foodplant for B. polaris and B. chariclea, since only 3 other species of plants were found in the area, none likely as Boloria foodplants.

NORTHWEST TERRITORIES: Baffin Island, 7-9 August. Wyatt reports from 3 localities in NE and NW Baffin Island: Pond Inlet. Species recorded: Colias hecla, C. boothii, C. nastes, Lycaena feildeni, Agriades aquilo, Boloria frigga, B. freija, B. chariclea, Oeneis polixenes, Erebia rossii. It should be noted that this lush site is now accessible via scheduled air services. ** Arctic Bay. Species recorded: Colias boothii, C. nastes, Lycaena feildeni, Boloria chariclea (all these abundant), B. frigga. ** Baillarge Bay, Admiralty Inlet. Species recorded: Colias boothii, C. nastes, Agriades aquilo, Boloria chariclea, Oeneis polixenes. ** King William Island, 18 August. Oosting and Parshall report from 1 locality: Gjoa Haven. Species recorded: Colias hecla, C. nastes, Lycaena phlaeas. ** Baker Lake, 18 June to 30 July. Ebner reports the usual species (see previous summaries). ** Yellowknife, 7-13 July. Species recorded: Papilio glaucus, Pieris napi, Lyc. argyrognomon, Plebejus saepiolus, Limenitis arthemis. ** Chick Lake (about 50 miles NW of Normal Wells), 31 May to 21 June 1973 (data came in too late for the 1973 Summary, but this extensive list warrants inclusion here). Anweiler reports: Hesperia manitoba, Pyrgus centaureae, Cart. palaemon, Erynnis persius?, Papilio machaon, P. glaucus, Pieris occidentalis, P. napi, Colias hecla?, C. palaeno, Incisalia augustinus, Everes amnytula, Glauc. lydamus, Cel. argiolus, Lim. arthemis, Polygonia faunus, Boloria polaris, B. freija, B. chariclea/titania, B. eunomia, Oeneis chryxus, O. jutta, O. melissa, O. polixenes, Erebia disa, E. discoidalis. ** Norman Wells, 15 May to 8 June 1973. Anweiler reports the following species additional to those listed in the 1972 Summary. Incisalia augustinus, I. polios, Cel. argiolus, Polygonia faunus, P. gracilis, Boloria frigga, B. freija. ** Fort Norma, 29 May to 6 June. Oosting and Parshall report: Pieris napi, Incisalia augustinus, I. polios, Cel. argiolus, Nymphalis antiopa, Erebia discoidalis.

YUKON TERRITORY: Sam Lake (68°25'N, 138°37'W). Ebner reports: Cart. palaemon, Pyrgus centaureae, Parnassius evermanni, Colias boothii, Boloria distincta, Erebia mackinleyensis (among others not listed). ** Dempster Highway, mile 52, 14 June. Species added to last year's list: Oeneis polixenes. ** Dempster Highway, mile 97, 15 June. Erebia mackinleyensis was again found at this locality, which would seem to be worth intensive collecting. ** Kluane Lake, 28 July. D. & R. Scovell report: Pieris occidentalis, Colias hecla, C. palaeno, Lycaena dorcas, L. phlaeas, Lyc. argyrognomon, Plebejus saepiolus, Agriades aquilo, Everes amnytula, Phyciodes campestris, Boloria napaea, B. improba, B. freija, B. titania/chariclea, B. eunomia, Coenonympha mixturata, Oeneis bore, Erebia rossii, E. theano, E. youngi. ** Carcross, 22-27 June. Species recorded: Hesperia manitoba?, Colias philodice, Anthocaris sara, Euchloe ausonides, Lyc. argyrognomon, Plebejus saepiolus, Agriades aquilo, Oeneis bore, O. chryxus?, Erebia epipsodea. ** Kathleen Lake, Haines Highway, 9-30 July. D. & R. Scovell report: Pieris napi, Colias philodice, Lycaena dorcas, Lyc. argyrognomon, Plebejus saepiolus, Agriades aquilo, Phyciodes campestris, Oeneis bore, Erebia epipsodea.

ALASKA: Weather: Interior Alaska had a relatively normal summer, with more than average cloudiness in June. The western North Slope had an unusually early spring, followed by good weather through July, while the eastern North Slope had an extremely late spring and very poor collecting until late summer (part of a wide-spread pattern of poor weather which also affected the western Canadian arctic). ** STATE RECORDS: Smerinthus cerisyi from Skagway. Cynthia cardui from the Chickamin River, SE Alaska (collected 1973). ** RANGE EXTENSIONS: Acerbia alpina from the Utukok River (about 300 miles W of nearest previous locality at Prudhoe Bay--also the second North American record from an inland site). Erebia theano from the Utukok and Kivalina Rivers. Euchloe creusa, Boloria distincta, Acsala anomala from the head of the Kivalina River (actually about half of the species obtained at this locality are range extensions to some degree). Anthocaris sara from Hyder, SE Alaska (310 miles SE of its previous localities in Haines and Skagway). ** NEW COLLECTING LOCALITIES: Utukok River, about 8 miles SW of its junction with Carbon Creek, 32 miles N of Noluck Lake (69°15'N, 160°02'W), accessible by bush plane (wheels) from Kotzebue, supports the largest population of Boloria distincta I have yet seen. Every hill has scree at the summit, and the scree slopes are alive with distincta. ** The head of the Kivalina River (68°17'N, 163°27'W), in the Wulik Peaks at W end of the DeLong Mountains, an easy trip for bush plane from Kotzebue, ties Lake Schrader for the largest number of butterfly species (30) for an Alaskan tundra site. This is a very scenic site, being right in the mountains, and the walking is much easier than at most North Slope/Brooks Range sites I have collected, due to the relative absence of tussock tundra.

NORTH SLOPE: Utukok River, 23 June to 7 July. Species recorded: Parnassius evermanni, Pieris napi, Colias hecla, C. thula, C. nastes, Agriades aquilo, Boloria napaea, B. frigga, B. improba, B. polaris, B. freija, B. distincta, B. chariclea, Oeneis bore, O. melissa, O. polixenes, Erebia rossii, E. disa, E. fasciata, E. theano, E. youngi, E. dabanensis?, Acerbia alpina, Pararctia subnebulosa, P. lapponica, Apantesis quenselii. ** Kivalina River, Wulik Peaks, 7-19 July. Species recorded: Pyrgus centaureae, Parn. evermanni, Papilio machaon, Pieris napi, Colias hecla, C. thula, C. palaeno, C. nastes, Euchloe creusa, Lyc. argyrognomon, Vacciniina optilete, Agriades aquilo, Boloria napaea, B. frigga, B. improba, B. polaris, B. freija, B. distincta, B. chariclea, B. eunomia, Coen. mixturata, Oeneis bore, O. melissa, O. polixenes, Erebia rossii, E. disa, E. fasciata, E. theano, E. youngi, E. dabanensis?, Acsala anomala. ** Beaufort Lagoon, 27-30 July. Additional species: Oeneis melissa, Erebia fasciata, Pararctia subnebulosa, Acerbia alpina. ** Aichilik River, Brooks Range (about 40-45 miles S of Beaufort Lagoon), 22-27 July. Species recorded: Colias hecla, C. thula, Lyc. argyrognomon, Boloria napaea, B. improba, B. chariclea, B. eunomia, Coen. mixturata, Oeneis bore, Erebia rossii, E. fasciata, E. theano, E. youngi, Apantesis quenselii. ** Sagwon, 16 July. Additional species: Parn. evermanni, Oeneis melissa, O. polixenes.

INTERIOR ALASKA: Wiseman, 25 June to 7 Sept. Additional species: Lycaena dorcas. ** Tozitna River, just below junction with Dagislahkna Creek (about 25 miles N of the Yukon/Tanana River confluence), 29 May to 1 June. Species recorded: Erynnis persius, Papilio glaucus, Pieris napi, Euchloe creusa, E. ausonides, Glauc. lygdamus, Cel. argiolus, Polygonia faunus, Erebia discoidalis. ** Charley/Knadik Rivers (on Yukon River between Eagle and Circle), 8-30 July. Species recorded: Papilio glaucus, Pieris napi, Colias gigantea, Lycaena dorcas, Lyc. argyrognomon, Pleb. saepiolus, Vacc. optilete, Lim. arthemis, Polygonia faunus, Phyciodes campestris, Boloria titania. ** Mount Fairplay, off the Taylor Highway, 7 July. Species recorded: Pieris napi, Boloria eunomia, Oeneis melissa, Erebia fasciata, E. youngi. ** Eagle Summit, 19 June to 9 July. The Scovell's and the Tilden's report the usual species. No sign of B. distincta, which appears to be holding to the odd-year pattern. ** Fairbanks, Ester Dome, Murphy Dome, Steese Highway, 17 June to 13 July. Scovell's and Tilden's report usual species (Oeneis jutta absent as expected, along with the other odd-year species). ** Tetlin/Tanacross, 1 June, 14-27 July. Species recorded: Erynnis persius, Colias philodice, C. gigantea, Lyc. argyrognomon, Glauc. lygdamus, Everes amyntula, Lim. arthemis, Phyc. campestris, Boloria titania, Coen. mixturata. ** Toklat/Teklanika Rivers & Stampede Road, just N of McKinley Park. 18 May to 19 June. Species recorded: Erynnis persius, Pieris napi, Colias philodice, Euchloe creusa, E. ausonides, Glauc. lygdamus, Everes amyntula, Nymphalis antiopa, Boloria freija, Oeneis polixenes, Erebia rossii, E. disa, E. fasciata, E. discoidalis, E. youngi. ** Black Rapids, on the Richardson Highway (Alaska Range), 13 July. Species recorded: Colias nastes, Agriades aquilo, Vacc. optilete, Boloria napaea, B. eunomia. ** Alaska Range just SW of Tanacross, 2-7 July. Species recorded: Pieris napi, Boloria eunomia, Erebia fasciata, E. mackinleyensis, E. youngi.

WEST CENTRAL ALASKA: Shageluk, lower Yukon River, 21 May to 24 June. Species recorded: Papilio glaucus, Pieris napi, Colias palaeno, Cel. argiolus, Boloria frigga, B. freija, B. eunomia, Erebia discoidalis. ** SOUTHWEST ALASKA: Iliamna Village, 23 May to 23 June. Additional species: Pieris occidentalis, Boloria freija, Coen. mixturata. ** King Salmon, 2 June. Species reported: Pieris napi. ** SOUTH CENTRAL ALASKA: Glennallen, 25 May to 29 Sept. Additional species: Papilio glaucus, Euchloe creusa, Nymphalis antiopa. ** Glenn Highway, near Sheep Mountain, 120 miles from Anchorage, 27 June to 2 July. Brock reports: Papilio machaon, Pieris napi, Euchloe ausonides, Colias hecla, C. palaeno, Plebejus saepiolus, Vacc. optilete, Boloria frigga, B. freija, B. eunomia, B. titania, Coen. mixturata, Oeneis bore, O. jutta, O. polixenes, Erebia rossii, E. discoidalis, E. theano. ** Glenn Highway, just east of Hicks Creek, about 90 miles from Anchorage, Sheep Mountain area, 2 July. Brock reports: Colias philodice?, Lycaena dorcas, Lyc. argyrognomon, Pleb. saepiolus, Everes amyntula, Vacc. optilete, Boloria freija. ** Chugach Mountains, at boundary of Chugach Park just E of Anchorage, 26 June. Brock reports: Pieris napi, Colias palaeno, Boloria napaea, B. chariclea, Speyeria mormonia, Coen. mixturata, Oeneis polixenes. ** Hatcher Pass, Talkeetna Mountains, about 30 miles from Palmer, 29 June to 1 July. Brock reports: Parnassius phoebus, Pieris napi, Colias palaeno, Boloria napaea, Speyeria mormonia, Erebia theano. ** Beluga (NW side Cook Inlet, about 65 miles W of Anchorage), 6 May to 14 July. Species recorded: Colias palaeno, Lycaena dorcas, Vacc. optilete, Nym. antiopa.

KENAI PENINSULA: Halibut Cove. Species recorded: Nym. milberti (ex larvae). Seward, 7 July. Species recorded: Pieris occidentalis. Homer, 4-14 July. Species recorded: Pieris napi, Colias philodice, Nym. milberti, Speyeria mormonia. Homer, 19 May to 9 July. Species recorded: Pieris napi, Colias philodice, Lycaena dorcas, Nym. milberti, Speyeria mormonia, Boloria selene, Coen. mixturata. ** KODIAK ISLAND: Ridge 5 1/2 miles SW of SE end of Uganik Lake, 4 July. Species recorded: Parn. phoebus, Boloria napaea. ** SOUTHEASTERN ALASKA: Skagway, 10 June to 28 July. Species recorded: Smerinthus cerisyi, Hyles galli. ** Hyder, 6 July. Species recorded: Pieris napi, Anthocaris sara. Pieris napi was also received from the following localities in southern Alaska: Squaw Harbor (Unga Island), Anchorage, Chignik, Valdez, Juneau, Chickamin River (1973); and from Nikolai in west central Alaska.

UNUSUAL ABUNDANCES: The moth Eulype hastata had another outbreak over a very large area in interior, west central, and south central Alaska. In some areas it defoliated birches. Alypia langtoni was quite common in the interior, although it has been quite sparse for the 8 preceding years.

ZONE 9: NORTHERN NEOTROPICS: MEXICO and CENTRAL AMERICA. Coordinator: Eduardo C. Welling M.

WEATHER SUMMARY: Early 1974 weather along the Gulf Coast and Yucatan Peninsula was cool and dampish; vegetation did not dry out normally as in other years until very late in the dry season (late April). Rains began very late, late June or early July in most areas instead of June 1. In many drier areas, it scarcely rained at all; generally speaking the whole area suffered a great drought, affecting crops and certainly insect populations. Hurricanes were plentiful in season, one battering southern Quintana Roo early in September, and another affecting southern British Honduras and northern Honduras later on in the same month. The year finished with few northers, these being dry and not bringing any precipitation.

MEXICO: Everywhere where collecting was done, very few butterflies were found as compared to other years. Oaxaca: Collections made were about 1/6 of normal. Chiapas: Collecting was so poor that it was not even worth going out to collect. About 1/6 of normal. Quintana Roo: Dry season flights were perhaps normal, with plenty of Graphium philolaus, Anteos clorinde, etc., but later on collecting gave out as most species made a poor showing. Baja California Norte: In October, conditions very dry and almost nothing flying, around Loma Tova, Mpio. Tecate.

GUATEMALA: El Peten: Collecting only fair in July and August, except for hoards of different Hesperiidae, and an unusual abundance of worn (!!) Archonias tereas. Zacapa: At Gualan, in July, only half mediocre showing of Ageronia glaucanome, A. februa, Pyrgus oileus, adepta, and a few other things. Huehuetenango: Around the capitol of the department of the same name, only fair showing of some high altitude skippers and Satyridae, in July. Conditions dryish in what should be the height of the rainy season.

NOTICES:

Members of the Lepidopterists' Society are invited to use this section free of charge to advertise their needs and offerings in Lepidoptera. We cannot guarantee any notices, but all are expected to be made in good faith. Please be brief, clear, and check spelling. Avoid long lists. Generally, notices will be limited to 3 appearances if more than one are requested. The Editor reserves the right to alter or reject unsuitable copy.

FOR SALE: Ornithoptera rothschildi. If interested, write to Seiji Sakai; 48-8, Higashitateishi, 4-Chome, Katsushika-Ku, Tokyo 124, JAPAN.

FOR SALE: Glassine envelopes, clear, 2 x 4 inches, fold over end to close, \$4.95 per thousand. Return for money back if not satisfied. James Scott, 60 Estes St., Lakewood, Colo. 80226, U.S.A.

EXCHANGE: Butterflies of southeast Europe for worldwide Saturniidae, Lycaenidae and Papilionidae. All material offered and received must be A-1 quality with full data. Moths also available; write your requirements. Vaclav Melich, Dubecek 115, 250 98 DUBEC, Praha, CZECHOSLOVAKIA.

FOR SALE OR TRADE: About 60 butterflies, all with minor damage (ripped wing, broken antenna, etc.). Include O. taygete fordii, O. polixenes yukonensis, P. machaon aliaska, P. optilete yukona, B. frigga saga among others. Send for complete list, include your list if trading. One deal for all of it. Good material, expect good trade or bid. John L. Gordon, 4749 Haggart St., Vancouver 8, B.C., CANADA.

EXCHANGE: Butterflies, moths, beetles from Australia and other areas. Send for list, and let me know what you have to offer. Anthony Hiller, P.O. Box 22, Mount Nebo, Queensland 4520, AUSTRALIA.

USED BOOKS FOR SALE: 1. The Butterfly Book, W. J. Holland, 1931 ed. 2. How to Know the Butterflies, J. & A. Comstock, 1920. 3. Caterpillars of British Butterflies (early stages and food plants). 4. Butterflies of Virginia, A. H. Clark, 1951. 5. Butterflies of Australia, I. Common & D. Waterhouse, 1974. 6. Moths, E. B. Ford, 1955. Butterflies, E. B. Ford, 1945. 7. Biochemistry of Insects, D. Gilmour, 1961. 8. Principles of Insect Physiology, V. B. Wigglesworth. 9. Butterflies and Moths, E. Robertson-Miller, 1917. 10. Moths of the British Isles, 2 Vol., Richard South. 11. Entomology with Reference to its Ecological Aspects, J. W. Folsom, 3rd ed., 1922. 12. Medical Entomology, W. A. Riley & O. A. Johanssen, 1932. 13. Applied Entomology, H. T. Fernald, McGraw-Hill pub. 14. Field Book of Insects, F. E. Lutz, 1929. Please write regarding those books of interest; mention by number for convenience. Dr. G. W. Rawson, 10405 Amherst Ave., Silver Spring, MD. 20902, U.S.A.

WANTED: A copy of A Lot of Insects by Frank Lutz. This book is urgently needed for a research project on insect diversity in gardens. Denis F. Owen, 66 Scraftoft Lane, Leicester, England.

FOR SALE: The following lots of butterflies, all first class papered specimens with complete data: (1) 60 specimens from the Philippine Islands including Ornithoptera and several nice Papilio, \$20.00; (2) 35 specimens from Australia, \$7.00; (3) 111 specimens from CZECHOSLOVAKIA (a very good assortment), \$40.00; (4) 124 specimens from Germany, \$20.00; (5) 150 specimens from Spain (better species with excellent representation of Anthocaris and Euchloe), \$20.00; (6) 96 specimens from Ruanda, Africa (excellent group with many Papilio), \$40.00; (7) 164 specimens from South Africa (all collected by D. A. Swanepoel, author of South African butterflies) including some very rare species with excellent representations of Papilio, Precis and Colotis, \$50.00; (8) 39 larger moths from Venezuela including Copiopteryx semiramis, Thysania agrippina, Thysania zenobia, several Castnia, etc., \$30.00 John H. Masters, 8126 Santa Inez Dr., Buena Park, California 90620, U.S.A.

AVAILABLE BOOKS: The following may be obtained from E. W. Classey, Ltd., Park Road, Faringdon, Berks. SN7 7DR, ENGLAND: Butterflies & Moths of Hampshire & Isle of Wight, B. Goater, L 6.50; Talking of Moths, P.B.M. Allan, L 4.00 (US \$9.75); Butterflies of the Lebanon, T. B. Larsen, L 7.50; Macrolepidoptera of Fiji and Rotuma, G. S. Robinson, L 10.50 (\$25.50); Leaves from a Moth Hunter's Notebook, P. Allan, L 4.50; Talking of Moths (Reprint, pub. 1943), P. Allan, L 4.00.

ALPHABET BUTTERFLY COLORING BOOK FOR LIMERICK LOVING LEPIDOPTERISTS. Ed. by Jo Brewer. 64 pps. Scheduled for publication in the fall of 1975. The edition is limited to 500 numbered copies, of which nearly 1/5 have already been ordered and paid for at the pre-publication price of \$3.00. All proceeds to benefit the XERCES SOCIETY, our objective being to alleviate the cost of publications and provide grants-in-aid of research. ** LIMERICKS are by 19 poets, including 10 members of the Lepidopterists and/or Xerces Societies, and range through the factual, funny, beautiful and bawdy. Illustrations are by 21 artists, including 11 members of the Xerces and/or Lepidopterists' Societies, and range through the anatomical, factual, fanciful; through miniatures, portraits, cartoons and impressionism. Ages of contributors range from 18 months to 82 years. This is unlike any book you have ever seen. Any future editions will NOT be numbered, and therefore will not soar in value as collector's items. Why not join the fun for \$3.00 a copy, and be one of the first 500 people in the WORLD to own this book? (Post-publication price: \$4.00.) Send name, address and \$3.00 to Jo Brewer, Ed. 300 Islington Rd, Auburndale, MA 02166, U.S.A.

RESEARCH REQUEST: Would like to contact collectors and others who might like to take part in a world survey of species diversity in the Sphingidae. Full details of the project from, Denis F. Owen, 66 Scraftoft Lane, Leicester, ENGLAND.

ATTENTION: Members of the Lepidopterists' Society who joined prior to 1 August 1974, please recheck your address in the latest membership list (NEWS No. 4 - mailed 15 October 1974). There have been some errors in addresses over the years and we would like to correct the situation as soon as possible.

THE LEPIDOPTERISTS' SOCIETY STATEMENT OF CONDITION

31 December 1974

ASSETS		LIABILITIES	
Cash:			
Checking Account	\$17,109.80	Life Members @ \$150 ea	\$ 6,750.00
Savings Account	7,285.67	Illustration Fund	105.50
Back Issues Stocks	1.00	Publication Fund	63.00
		Profit & Loss	17,477.97
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	\$24,396.47		\$24,396.47

STATEMENT OF OPERATIONS

INCOME		EXPENSES	
Dues	\$12,715.52	JOURNAL Publication	\$13,056.86
Regular (9,657.83)		Volume 28:1-4	
Sustaining (780.00)			
Student (1,227.69)		NEWS Publication	3,406.02
Life (1,050.00)		Numbers 1-6	
Subscriptions	1,650.00	Administrative costs	791.92
Sales	991.63	Supplies & Forms (206.53)	
Memoirs (277.22)		Annual Meeting (20.96)	
Back Issues (694.41)		Postage (564.43)	
Intro. Offer (20.00)		Transferred to Savings	1,050.00
Unscheduled Income	308.30		
Page Charges (264.00)			
Miscellaneous (44.30)			
Contributions	168.50		
Illustr. fund (105.50)			
Pub. fund (63.00)			
Air Mail Postage	190.80		
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	\$16,024.75		\$18,304.80
Expenses over Income	2,280.05		

EVALUATION. There are no known unpaid bills for 1974. The increasingly high cost of all phases of publication--printing, materials and postage, exceeded the budget estimate for the year. But our deficit was caused primarily by an excess of some 136 printed pages in our JOURNAL over and above the budgeted and planned figure of 240. Under more normal and stable economic conditions, this may have been marginally possible without exceeding our income. The Society is fiscally sound. Unscheduled income earned (page charges and back issue sales) but not received by the end of this reporting period will reduce this operating deficit by nearly \$1,000. The new dues structure and a strict adherence to the planning figure of 240 pages per year for the JOURNAL will provide sufficient funds to meet anticipated expenses for 1975. An estimated budget for 1975 is: JOURNAL \$12,000; NEWS \$3,000; Administrative expenses (including postage) \$1,500.

Respectfully submitted,
S. S. NICOLAY, Treasurer

from: THE LEPIDOPTERISTS' SOCIETY

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Memoirs of the Lepidopterists' Society, Number 1 (Feb., 1964)
A SYNONYMIC LIST OF THE NEARCTIC RHOPALOCERA, by C. F. dos Passos

Price:

Society Members, paper covers, Addenda et Corrigenda (revisions of Melitaeinae and portions of Lycaenidae supplied separately), \$5; non-members, \$7.50. Hard-cover binding (revisions bound in): Members, \$8; non-members, \$10.

Send to **Memoirs** Editor Dr. Charles V. Covell Jr., Dept. of Biology, Univ. of Louisville, Louisville, Ky. 40208, U.S.A.

INFORMATION ABOUT THE SOCIETY

Membership in the Lepidopterists' Society is open to all persons interested in any aspect of Lepidopterology. Prospective members should send the **Treasurer** the full dues for the current year (\$13, U.S.A.) together with full address and areas of interest in Lepidoptera. Remittances in dollars (U.S.A.) should be made payable to The Lepidopterists' Society. All members will receive the **JOURNAL** (published quarterly) and the **NEWS** (published bimonthly). A biennial membership list will comprise one issue of the **NEWS** in even-numbered years. Back issues of the **JOURNAL** may be purchased from the **TREASURER**.

Information on membership may be obtained from the **TREASURER**, Dr. John M. Snider, 3520 Mulldae Ave., San Pedro, CALIF. 90732, U.S.A. Changes of address must be sent to him alone, and only when changes are permanent or very long-term.

Other information about the Society may be obtained from the **SECRETARY**, Dr. Lee D. Miller, Allyn Museum of Entomology, 3701 Bay Shore Rd., Sarasota, FLA. 33580, U.S.A.

Manuscripts for publication in the **JOURNAL** are to be sent to the Editor, Dr. George L. Godfrey, Illinois Natural History Survey, Natural Resources Bldg., Urbana, ILL. 61801, U.S.A. See the inside back cover of a copy of the **JOURNAL** for editorial policies.

Items for inclusion in the **NEWS** should be sent to the Editor, Ron Leuschner, 1900 John St., Manhattan Beach, CA. 90266, U.S.A.