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A PRELIMINARY LIST OF HEMIPTERA OF IDAHO

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Idaho is of especial interest to the collector and student of insect distribution, because of its varied topography and great range of latitude. This preliminary list of the *Hemiptera* of the state is the outgrowth of much general collecting by various workers over a period of years and by the senior author during the months June to August, inclusive, 1938. Comparable lists are available for British Columbia by Downes¹ and for Utah by Knowlton and Harmston².

The British Columbia list records 196 species, exclusive of the miridae and corixidae, and the Utah list records 134 species exclusive of these two families. In comparison the present study discloses the known occurrence in Idaho of 233 forms. Unquestionably the list will be considerably expanded as more intensive collecting is done in the state.

It is desirable in a study of this type to give seasonal distribution as well as geographical distribution and other pertinent data concerning the different species. Because of the limitations of publication space, however, it has been necessary to exclude much of this data. The localities are cited alphabetically, and only the earliest and latest dates of seasonal capture are given. Some forms are recorded without specific names or are questionably referred to a given species. This has seemed desirable because they represent possible unnamed forms and are in the hands of specialists for study or are represented by too few specimens for accurate identification. The miridae and corixidae are yet to be identified.

Through the courtesy of Mr. J. R. Douglass it has been possible to include records of certain species in the collections of the Twin Falls, Idaho, Laboratory of the Bureau of Entomology and Plant Quarantine. These are indicated with the asterisk.

Family SCUTELLERIDAE

Homaemus aeneifrons (Say). Kendrick, Moscow Mt.; Aug. 13-20.

Homaemus bijugis Uhl. Carey, Grangeville, Kendrick, Moscow Mt.,
Parma, Shoshone, Troy; June 19—Aug. 26.

Eurygaster alternatus (Say). Bovill, Buhl, Burley, Clarkia, Coeur d'Alene,
Genesee, Grangeville, Hollister, Kootenai, Lowman, McCall, Mos-

¹Downes, W., A preliminary list of the Heteroptera and Homoptera of British Columbia. Proc. Ent. Soc. of British Columbia, No. 23, 1927, pp. 3-22.

²Knowlton, G. F., and F. C. Harmston, Utah insects, Hemiptera, Utah Agr. Exp. Sta., Mimeo. Ser. 200 (Tech.), part 6, 1940.

- cow, Potlatch, Rigby, Salmon, Santa, Troy, Twin Falls; May 30—Aug. 27.
Eurygaster shoshone Kirk. Juliaetta, Kendrick, Lewiston, Moscow Mt.; April 4—Aug. 13.
Vanduzeeina sp. Moscow Mt.; July 20.

Family CYDNIDAE

- Pangaeus discrepans* Uhl. (Recorded by Van Duzee, 1904).
Aethus obliquus (Uhl.)* Burley, Hazelton, Hollister, Hubbs Butte, Jerome; May 25—Sept. 12.
Aethus testudinatus Uhl.* Burley, Twin Falls; June 27—July 1, in wind vane trap.
Galgupha nitiduloides (Wolf). (Recorded from the state by McAtee and Malloch).
Amnestus spinifrons (Say). Hollister, Lewiston; May 8—Nov. 3.
Cydnoidea renormatus (Uhl.)* Hollister; Sept. 18, in wind vane trap.
Geotomus parvulus Sign.* Wendell; Aug. 17, in wind vane trap.
Allocoris extensa (Uhl.). Ashton, Bruneau, Grangeville, Kendrick, Lenore, Moscow Mt., Santa, Troy, Weippe; May 10—Aug. 27.
Allocoris pulicaria (Germar). Moscow, Santa, Troy; March 7—Aug. 27.
Allocoris incognita McAtee and Malloch. Kootenai, Moscow Mt.; July 8—Aug. 20.
Allocoris nigra (Dallas). Clarkia, Moscow, Troy; June 28—Aug. 21.
Allocoris virilis McAtee and Malloch. Bruneau, Camas Prairie, Craters of Moon, Mountain Home, Parma, Weiser; June 15—July 21.

Family PENTATOMIDAE

- Brochymena quadripustulata* (Fabr.). Boise, Emmett, Moscow, Parma; April 12—Oct. 11.
Brochymena affinis Van Duzee. Moscow; March 11—Oct. 15.
Brochymena sp. Regina, June 23. A unique female, apparently near *B. sulcata* Van Duzee.
Peribalus limbolarius Stål. Buhl, Castleford, Emmett, Hollister, Kendrick, Lewiston, Moscow, Sandpoint, Santa, Shoshone; May 4—Oct. 21.
Peribalus abbreviatus Uhl. Craters of Moon, Genesee, Kendrick, Moscow Mt., Payette; May 23—Oct. 9.
Peribalus tristis Van Duzee. Moscow Mt., Santa; July 10—Aug. 27.
Trichopepla grossa Van Duzee. Kootenai, Lenore, Moscow Mt.; May 10—July 20.
Trichopepla aurora Van Duzee. Juliaetta, Moscow Mt.; May 10—July 20.
Trichopepla californica Van Duzee. Grangemont, Moscow Mt.; May 13—Aug. 26.
Chlorochroa uhleri Stål. Bruneau, Burley, Clarkia, Grangeville, Hagerman, Jerome, Kendrick, Montpelier, Moscow Mt., Nezperce, Regina, Rexburg, Rigby, Rupert, Shoshone, Twin Falls; June 14—Sept. 10. Occasionally very numerous on wheat in southeastern Idaho.
Chlorochroa sayi Stål. Twin Falls; June 17—July 25.

- Chlorochroa ligata* (Say). Craters of Moon, Kootenai, Lenore, Moscow; May 19—Oct. 29.
- Carpocoris remotus* Horvath. Burley, Castleford, Grangeville, Hollister, Kendrick, Moscow, Oakley, Potlatch, Rexburg; May 2—Oct. 19.
- Euschistus conspersus* Uhl. Bovill, Juliaetta, Kendrick, Kootenai, Lewiston, Moscow, Potlatch, Troy; May 28—Aug. 24.
- Euschistus variolarius* (P. B.). Genesee, Juliaetta, Kendrick, Parma, Preston, Rigby; May 16—Aug. 13.
- Euschistus inflatus* Van Duzee. Boise, Burley, Magic Reservoir (Shoshone), Moscow Mt., Twin Falls; June 11—Sept. 23.
- Coenus delius* (Say). Kendrick; Aug. 13.
- Neottiglossa undata* (Say). Lewiston, Moscow Mt., Potlatch, Santa, Troy; May 10—Aug. 27.
- Neottiglossa tumidifrons* Downes. Craters of Moon, Kendrick, Lenore, Moscow; May 28—Aug. 26.
- Cosmopepla bimaculata* (Thomas). Salmon; July 8.
- Cosmopepla conspicillaris* (Dallas). Mesa, Orofino, Santa; July 17—Aug. 27.
- Cosmopepla uhleri* Montandon. Buhl; Aug. 1.
- Eysarcoris intergressus* (Uhl.). Kendrick, Moscow Mt.; July 13—20.
- Prionosoma podopoides* Uhl. Bruneau, Regina; July 23.
- Thyanta custator* (Fabr.). Buhl, Bruneau, Dayton, Hollister, Kendrick, Lenore, Lewiston, McCall, Moscow, Riggins; March 1—Oct. 14.
- Thyanta rugulosus* (Say). Bruneau, Regina, Twin Falls; June 18—23.
- Thyanta punctiventris* Van Duzee.* Glenns Ferry, Tuttle; April 6—Aug. 27.
- Thyanta brevis* Van Duzee. Buhl, Aug. 1.
- Banasa sordida* (Uhl.). Moscow Mt.; July 20.
- Banasa dimidiata* (Say). Kootenai, Moscow Mt.; May 6—Oct. 20.
- Meadorus lateralis* (Say). Recorded in the literature from Idaho. Specimens are at hand from Oregon and Washington.
- Elasmotethus cruciatus* (Say). Santa; July 4—Aug. 21.
- Perillus bioculatus* (Fabr.). Bruneau, Lewiston, Moscow, Parma, Salmon, St. Anthony; Feb. 20—Aug. 26.
- Perillus bioculatus* var. *clauda* (Say). Jerome, Moscow Mt., Parma, Salmon; July 10—Aug. 26.
- Perillus exaptus* (Say). Santa; Aug. 27.
- Apateticus crocatus* (Uhl.). Moscow Mt., Potlatch; Aug. 8—26.
- Apateticus bracteatus* (Fitch). Record from the literature, Van Duzee, 1917.
- Podisus modestus* (Dallas). Moscow Mt.; July 26.
- Podisus sereiventris* Uhl. Recorded from Idaho by several authors.
- Podisus placidus* (Uhl.). Rigby; June 28.
- Podisus pallens* Stål. Lewiston, Moscow Mt.; April 4—Aug. 24.

Family COREIDAE

- Leptoglossus occidentalis* Heideman. Lenore, Lewiston, Moscow Mt., Parma, Santa, Shoup; Apr. 5—Dec. 13.

- Chelinidea vittiger* Uhl. Craters of Moon, Rexburg, St. Anthony; June 15—Sept. 16.
Anasa tristis DeGeer. Caldwell, Emmett, Fruitland, King Hill, Parma, Payette, Preston; Jan. 15—Aug. 29.
Coriomeris humilis (Uhl.). Athol, Kootenai, Salmon, Shoshone; June 19—July 9.
Ceraleptus pacificus Barber. Lewiston, Moscow; May 6—July 10.

Family RHOPALIDAE

- Harmostes reflexulus* (Say). Genesee, Hollister, Kendrick, Kootenai, Lewiston, Moscow, Regina, Rupert, Tuttle, Twin Falls, Weippe; Apr. 22—Aug. 16.
Aufeius impressicollis Stål. Buhl, Craters of Moon, Eureka, Fruitland, Hollister, Lewiston, Parma, Riggins, Twin Falls; June 15—Oct. 27.
Liorhyssus hyalinus (Fabr.). Craters of Moon, Hagerman, Hailey, Hollister, Montpelier, Parma, Twin Falls; June 23—Sept. 17.
Stictopleurus punctiventris (Dallas). Grangemont, Kendrick, Lenore, Lewiston, McCall, Montpelier, Moscow, Potlatch, Troy, Weippe; Apr. 16—Oct. 14.
Stictopleurus plutonius (Baker)? Bruneau, Buhl, Burley, Craters of Moon, Dubois, Jerome, Ketchum, Regina, Twin Falls; June 14—Aug. 26.
Arhyssus scutatus (Stål). Hubbs Butte; June 15.
Arhyssus indentatus (Hambleton). Moscow, Parma; May 2—July 10.
Arhyssus validus (Uhl.). Avon, McCall, Moscow, Potlatch; June 14—Aug. 24.
Arhyssus lateralis (Say). Caldwell, Fruitland, Lenore; May 19—July 20.
Arhyssus lateralis roseus (Baker). Bruneau, Glens Ferry, Rigby; June 23—Sept. 5.
Arhyssus barberi Harris. Hagerman, Kendrick, Lewiston, Moscow Mt., Troy, Tuttle, Twin Falls; Apr. 22—Sept. 3.
Arhyssus crassus Harris. Grangeville, Lenore, Lewiston, Moscow, Parma, Troy; Apr. 28—Aug. 21.
Arhyssus brevipilis Harris. Kendrick, Kootenai, Moscow Mt.; July 8—20.
Arhyssus tuberculatus (Hambleton). Kendrick, Moscow Mt., Troy; July 13—Oct. 21.
Leptocoris trivittatus (Say). Boise, Moscow, Nampa, Potlatch; Apr. 10—Dec. 1.

Family CORISCIDAE

- Megalotomus quinquespinosus* (Say). Coeur d'Alene, Moscow Mt., Potlatch; July 20—Aug. 26.
Coriscus pluto (Uhl.). Moscow, Potlatch; June 10—Aug. 24.
Coriscus conspersus (Montd.). Ashton, Buhl, Clarkia, Fruitland, Hollister; Aug. 4—20.
Coriscus conspersus infuscatus Fracker. Moscow Mt.; Aug. 26.
Tollius curtulus (Stål.) Kendrick; Aug. 13.

Tollius setosus (Van Duzee). Bovill, Craters of Moon, Kendrick, Moscow Mt.; June 26—Aug. 13.

Family ARADIDAE

- Aradus furnissi* Usinger. Moscow Mt., Aug. 20.
Aradus funestus Bergr. Moscow; Apr. 16—Dec. 1.
Aradus lugubris Fallen. Moscow Mt., Sandpoint; Apr. 2—Oct. 3.
Aradus lugubris nigricornis Reuter. Weippe; July 5.
Aradus cinnamomeus antennalis Parshley. Moscow Mt., Santa, Worley; May 1—Aug. 27.
Aradus vadosus Van Duzee. Moscow; Mar. 12, under bark of poplar.
Aradus medioximus Parshley. Moscow Mt., Potlatch; June 6—Aug. 24.
Aradus blaisdelli Van Duzee. Craig Mts., Moscow Mt.; June 6—Aug. 26.
Aradus proboscideus Walker. Moscow Mt., Troy; July 16—Aug. 20.
Aradus taylori Van Duzee. McCall; Aug. 10.
Aradus debilis Uhl. Moscow Mt.; Aug. 20.
Aradus parvicornis Parshley. Moscow Mt., Aug. 26.
Aradus abbas Bergr. Bonanza, Rexburg; June 22—Aug. 21. (Literature records).
Aradus insoletus Van Duzee. Worley; May 14.
Aradus orbiculatus Van Duzee. Moscow Mt.; Oct. 29.
Aneurus simplex Uhl. Lake Chatcolet, Moscow, Pierce; May 22—July 17.
Mezira pacifica Usinger. Moscow Mt.; Apr. 5—Aug. 20.

Family NEIDIDAE

- Neides muticus* (Say). Grangeville, Hollister, Kootenai, Lewiston, Moscow, Santa, Troy; Apr. 17—Oct. 11.
Jalysus wickhami Van Duzee, Donnelly, Hagerman, Hollister, Kimama, Kootenai, Moscow, Troy, Tuttle; May 19—Oct. 19.
Acanthophysa idaho Harris. Grangeville; June 20.
Acanthophysa echinata Uhl. Craters of Moon, Regina; June 23—28.

Family LYGAEIDAE

- Lygaeus kalmii* Stål. Buhl, Cascade, Clarkia, Fruitland, Glenns Ferry, Hailey, Hollister, Montpelier, Moscow Mt.; Apr. 6—Sept. 24.
Lygaeus admirabilis Uhl. Kootenai, Moscow Mt.; July 8—20. These specimens are very small and brachypterous and are questionably referred to this species.
Lygaeus bicrucis Say. Genesee, Lenore, Moscow; Apr. 16—Aug. 26.
Lygaeus pyrrhopterus Stål. Buhl; Aug. 1.
Lygaeus lateralis Dallas. Magic Reservoir, Lincoln Co.; June 25.
Ortholomus scolopax (Say). Craters of Moon, Kendrick, Kootenai, Lenore, Moscow Mt., Potlatch, Troy, Tuttle; May 19—Aug. 24.
Ortholomus nevadensis Baker. Buhl; June 24.
Nysius ericae (Schill.). Carey, Eureka, Juliaetta, Kootenai, Moscow, Regina, Rexburg, Rigby, Salmon; May 28—Sept. 26.
Nysius minutus Uhl.* Burley, Hagerman, Hansen, Hollister; May 31—Oct. 15.

- Nysius strigosus* Uhl. Craters of Moon, Hazelton, Hollister, Kootenai, Moscow, Potlatch, Rupert, Twin Falls; July 2—Aug. 7.
- Nysius thymi* (Wolff).* Buhl, Castleford; Sept. 18—Oct. 17.
- Nysius* sp. Kootenai, Moscow, Regina, Santa; Mar. 3—Aug. 27.
- Ischnorrhynchus resedae* (Panzer). Buhl, Moscow Mt., Santa; July 10—Aug. 27.
- Ischnorrhynchus franciscanus* (Stål). Craters of Moon, Kendrick, Kootenai, Moscow, Potlatch, Troy; June 26—Oct. 26.
- Cymus luridus* Stål. Bovill, Caldwell, Grangemont, Harvard, Moscow, Potlatch, Santa, St. Anthony; May 17—Aug. 27.
- Arphnus coriacipennis* (Stål). Moscow, Moscow Mt.; Mar. 10—July 23.
- Geocoris bullatus* (Say). Bovill, Buhl, Eureka, Kendrick, Moscow, Parma, Rigby, Roseworth, Shoshone, Twin Falls; Mar. 10—Aug. 17.
- Geocoris decoratus* Uhl. Eureka, Fruitland, Kendrick, Kootenai, Lewiston, Moscow Mt., Potlatch, Riggins; June 20—July 23.
- Geocoris atricolor* (Montd.). Fruitland, Moscow Mt., Tuttle, Wendell; Feb. 5—Sept. 16.
- Geocoris uliginosus* (Say). Bovill, Cascade, Kendrick, Kootenai, Moscow Mt., Troy; July 8—Aug. 26.
- Heterogaster behrensi* (Uhl.). Bellevue, Hailey, Twin Falls; June 14—July 30.
- Crophius bohemani* (Stål). Kendrick, Lewiston, Moscow; May 8—Aug. 13.
- Crophius ramosus* Barber. Burley, Hansen, Hollister, Hubbs Butte, Jerome; May 29—June 16.
- Crophius scabrosus* Uhl.* Hollister, Twin Falls; Oct. 8—16.
- Sphaerobius insignis* (Uhl.). Hollister, Kootenai, Moscow; June 24—Aug. 4.
- Ligyrocoris diffusus* (Uhl.). Bovill, Genesee, Kootenai, Moscow Mt., Troy; July 2—17.
- Ligyrocoris latimarginatus* Barber. Kendrick, Moscow Mt.; July 10—Aug. 20.
- Ligyrocoris sylvestris* (Linn.). Bovill, Clarkia, Kendrick, Moscow Mt., Troy; July 13—Aug. 21.
- Sisamnes clavigera* (Uhl.). Kendrick, Moscow; Mar. 10—Aug. 13.
- Neosuris castanea* (Barber). Kendrick; Aug. 13.
- Peritrechus fraternus* Uhl. Buhl, Moscow, Regina, Wendell; June 23—Nov. 6.
- Peritrechus tristis* Van Duzee. Moscow, Troy; Feb. 24—Nov. 15.
- Peritrechus saskatchewanensis* Barber. Jerome, Moscow, Rupert, Troy; July 30—Aug. 21.
- Cligenes* sp.? Kendrick; Aug. 13.
- Sphragistus nebulosus* (Fallen). Juliaetta, Moscow, Potlatch, Santa, Twin Falls; Mar. 10—Aug. 26.
- Malezonotus angustatus* (Van Duzee). Moscow Mt., Parma, Santa; Feb. 24—Nov. 14.

- Malezonotus sodalicus* (Uhl.). Lewiston, Moscow, Moscow Mt.; Mar. 10—Aug. 16.
Emblethis vicarius Horvath. Burley, Hagerman, Hubbs Butte, Kendrick, Lewiston, Moscow, Potlatch; Mar. 10—Oct. 6.
Eremocoris melanotus Walley. Moscow; Apr. 2.
Eremocoris semicinctus Van Duzee. Moscow; Oct. 14.
Eremocoris obscurus Van Duzee. Moscow Mt., Santa, Troy; July 10—Aug. 27.
Eremocoris canadensis Walley. Moscow Mt.; Mar. 11.
Scolopostethus pacificus Barber. Moscow, Moscow Mt., Potlatch; Mar. 10—Nov. 16.
Scolopostethus thomsoni Reuter. Moscow, Troy; Mar. 10—July 16.
Scolopostethus tropicus Distant (?) Moscow; Mar. 10—May 10.
Cryphula apicatus (Distant). Kendrick; Aug. 13.

Family PIESMIDAE

- Piesma cinerea* (Say). Jerome, Moscow, Potlatch, Riggins; Mar. 10—Sept. 4.

Family TINGITIDAE

- Corythucha immaculata* O. & D. Hailey, Moscow Mt., Santa; Apr. 21—July 4.
Corythucha distincta O. & D. Moscow; May 15.
Corythucha padi Drake. Moscow, Potlatch; Aug. 8—24.
Corythucha obliqua O. & D. Burley, Moscow, Tuttle; June 1—Sept. 9.
Corythucha salicata Gibson. Council, Jerome, Lewiston, Moscow Mt., Potlatch, Santa, Twin Falls; May 8—Aug. 27.
Corythucha morrilli O. & D. Amsterdam, Murtaugh; July 23—Aug. 19.
Corythucha marmorata Uhl. Kootenai; July 8.
Gargaphia solani Heideman. Lewiston; May 5.
Gargaphia opacula Uhl. Regina; June 23.
Physatocheila variegata Parshley. Lewiston, Rigby, St. Anthony; May 30—June 28.
Hesperotingis occidentalis Drake. Kootenai, McCall; July 8—31.
Teleonemia nigrina Champion. Potlatch, Santa; June 20—Aug. 27.
Monanthia labeculata Uhl.* Hollister; Oct. 5.

Family PHYMATIDAE

- Phymata borica* Evans. Pocatello. (Evans' record).
Phymata metcalfi Evans. Hansen, Wickahoney; July 29—Aug. 3.
Phymata pennsylvanica coloradensis Melin. Arrow, Kendrick, Moscow, Riggins; Aug. 6—Oct. 2.

Family REDUVIIDAE

- Empicoris pilosus* (Fieber). Moscow Mt.; Aug. 20.
Empicoris culiciformis (De Gerr). Moscow; April.

- Empicoris* sp. (?). Moscow Mt.; July 10.
Metapterus banksi (Baker). Moscow Mt.; Oct. 15.
Reduvius personatus (Linn.). Fruitland, Kendrick, Moscow, Parma; June 29—July 25.
Zelus socius Uhl. Buhl, Craters of Moon, Sun Valley, Twin Falls; June 25—Aug. 27.
Rhynocoris ventralis (Say). Kendrick, Moscow, Troy, Weippe; Apr. 28—July 28.
Pseliopus spinicollis Champion. Kendrick, Lewiston, Moscow Mt.; Apr. 21—July 13.
Fitchia spinulosa Stål. Kendrick, Moscow, Parma; Apr. 3—Aug. 6.
Sinea diadema (Fabr.). Buhl, Eureka, Kendrick, Lewiston, Moscow Mt., Parma, Regina, Troy; May 27—Aug. 26.
Sinea confusa Caudell.* Tuttle; Sept. 19.

Family NABIDAE

- Pagasa fusca* (Stein). Kendrick, Moscow, Moscow Mt., Rigby, Riggins; June 20—Sept. 5.
Nabis nigrovittatus Sahlberg. McCall; Aug. 10.
Nabis heidemanni (Reuter). Kendrick, Moscow Mt.; July 20—Aug. 26.
Nabis subcoleoptratus (Kirby). Clarkia, Moscow, Potlatch, Santa; July 5—Aug. 27.
Nabis alternatus Parshley. Bruneau, Buhl, Clarkia, Grangeville, Kendrick, Kootenai, Orofino, Parma, Potlatch, Rexburg, Rupert, Sandpoint, Sun Valley, Troy; June 20—Aug. 24.
Nabis roseipennis Reuter. Moscow Mt., Potlatch, Santa, Troy; Aug. 15—27.
Nabis ferus (Linn.). McCall, Moscow Mt., Potlatch, Rupert, Troy; July 20—Aug. 24.
Nabis vanduzeei Kirkaldy. Grangeville, Lenore, Montpelier; May 19—June 27.
Nabis inscriptus Kirby. Literature records. Ranges from Colorado into Alberta, Canada.
Nabis rufusculus Reuter. Moscow Mt.; Sept. 20—Oct. 14.

Family CIMICIDAE

- Cimex pilosellus* (Horvath). Boise; Nov. 10.
Cimex lectularius Linn. Fairfield, Kendrick, Moscow, Parma; July 24—Aug. 27.

Family ANTHOCORIDAE

- Anthocoris antevolens* White. Bovill, Buhl, Cascade, Hazelton, Moscow, Potlatch, Rigby, Salmon, Santa, St. Anthony; Mar. 10—Oct. 10.
Anthocoris melanocerus Reuter. Bovill, Hailey, Moscow Mt., Rigby, Sandpoint, Twin Falls; Apr. 14—July 17.
Anthocoris whitei Reuter. McCall, Moscow Mt.; July 10—Aug. 26.
Tetraphleps latipennis Van Duzee. Moscow Mt.; July 10—Aug. 26.

- Tetraphleps* sp. Moscow Mt.; Aug. 26.
Acompocoris sp. McCall; July 31.
Orius tristicolor (White). Buhl, Challis, Eureka, Gooding, McCall, Moscow, Potlatch, Regina, Rigby, Santa; June 18—Aug. 27.
Lyctocoris campestris Fabr. Moscow Mt.; Aug. 26.
Lyctocoris sp. Moscow Mt.; Aug. 26.
Dufouriellus ater (Dufour). Lewiston, Moscow Mt.; Feb. 22—Aug. 26.
Xylocoris galactinus Fieber.* Castleford, Hansen, Jerome, Tuttle; Aug. 5—Sept. 15.
Xylocoris cursitans (Fallen). Moscow, Moscow Mt., Santa, Troy; July 16—Oct. 8.
Xylocoris umbrinus Van Duzee. Hansen, Lewiston, Moscow Mt., Potlatch, Troy, Twin Falls; Apr. 30—Sept. 30.
Xylocoris sp. Parma; June 22.
Xylocoris californicus Reuter. Hagerman, Twin Falls; July 14—Sept. 19.
Scoloposcelis flavicornis Van Duzee. Moscow Mt.; Aug. 15.

Family GERRIDAE

- Gerris notabilis* Drake and Hottes. Bovill, Lake Chatcolet, Parma, Potlatch, Troy; June 18—Sept. 2.
Gerris remigis Say. Moscow, Twin Falls; Apr. 3—Oct. 13.
Gerris nyctalis Drake and Hottes. Caldwell, Kendrick, Moscow, Troy; July 13—Oct. 20.
Gerris incurvatus Drake and Hottes. Caldwell, Moscow Mt., Potlatch, Troy; July 9—Sept. 12.
Gerris pingreensis Drake and Hottes. Listed by Drake and Hottes as occurring in Idaho.
Gerris incognitus Drake and Hottes. Bovill, Lake Chatcolet, McCall; July 17—Aug. 10.
Gerris buenoi Kirkaldy. Lake Chatcolet, Potlatch; July 17—Sept. 2.
Metrobates trux (Torre Bueno). Caldwell, Kendrick, Santa; July 6—Aug. 27.

Family VELIIDAE

- Microvelia borealis* Torre-Bueno. Potlatch; July 23.
Rhagovelia excellentis Drake and Harris. Sweetwater, Webb; July 26—Sept. 3.

Family MESOVELIIDAE

- Mesovelia mulsanti* White. Lake Chatcolet; Sept. 2.

Family SALDIDAE

- Salda obscura* Provancher. Bovill; July 17.
Saldula interstitialis (Say). Bovill, Bruce Meadows, Cascade, Coeur d'Alene, Elk River, Hazelton, Kootenai, Lake Chatcolet, Magic Reservoir, Moscow Mt., Potlatch, Regina; June 15—Aug. 26.
Saldula reperta Uhl. Lake Chatcolet, Santa; July 17—Aug. 27.

Saldula xanthocheila (Fieber). Deer Flat, Hazelton, Riggins; June 20—Aug. 7.

Saldula comatula Parshley. Coeur d'Alene, Fruitland, Hazelton, Kootenai, Moscow Mt., Potlatch, Rupert, Troy; July 8—Aug. 24.

Saldula explanata (Uhl.). Bovill, Moscow Mt.; July 10—Aug. 26.

Micracantha pusilla Van Duzee. Moscow Mt., Twin Falls; July 11—Aug. 26.

Family NOTONECTIDAE

Notonecta kirbyi Hungerford. Bliss, Bovill, Burley, Council, Moscow, Moscow Mt., Troy; June 25—Oct. 11.

Notonecta unifasciata Guerin. Moscow; May 15.

Buenoa sp. Riggins; Aug. 10.

Family NEPIDAE

Ranatra fusca P. B. Potlatch, Troy; Aug. 24—Sept. 12.

Family BELOSTOMATIDAE

Lethocerus americanus Leidy. Moscow; July 8.

Lethocerus uhleri Montd. Moscow; July 20.

Family GELOSTOCORIDAE

Gelostocoris californiensis Melin. Moscow, Pollock, Starkey, Troy; July 2—Aug. 26.