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**SURVEY OF 21 RARE SPECIES OF STONEFLIES (PLECOPTERA)
IN ILLINOIS**

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Center for Biodiversity
Illinois Natural History Survey
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TECHNICAL REPORT 1993(3)
ILLINOIS NATURAL HISTORY SURVEY
CENTER FOR BIODIVERSITY

PREPARED FOR

NATURAL HERITAGE DIVISION
DEPARTMENT OF CONSERVATION
524 SOUTH SECOND
SPRINGFIELD, IL 62701

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In 1992 a research proposal was submitted to the Nongame Wildlife Conservation Fund to survey the State of Illinois to determine the current status of 21 rare species of stoneflies. For purposes of this report "rare" status indicates the species is known from 1 to 3 localities in Illinois. The following report outlines the collecting effort expended to ascertain presence or absence of these 21 species during 1992 and 1993. For each species, "Previous Records" indicates where the species was originally reported in Illinois; "New Records" lists where the species was collected during 1992 and 1993, with a few previous collections by E. A. Lisowski; "Negative Records" lists the sites that collections were made in and around the original reported sites at the appropriate time of year; and "STATUS" outlines our current evaluation of this species.

Of the 21 species examined, two species *Acroneuria lycorias* and *Pteronarcys dorsata* were found to have been incorrectly attributed to Illinois; Illinois specimens of *Alloperla banksi* were found by Surdick to be a new species *Alloperla roberti* which has since been listed as extinct by the Fish and Wildlife Service; two species *Allocapnia illinoensis* and *Isoperla conspicua* appear to have been extirpated from Illinois; seven species *Allocapnia nivicola*, *A. smithi*, *Zealeuctra fraxina*, *Z. narfi*, *Nemoura trispinosa*, *Prostoia completa*, and *Haploperla brevis* were either recollected at the original site(s) or at one or two new localities but are still considered rare in Illinois; seven species *Nemocapnia carolina*, *Paracapnia angulata*, *Leuctra sibleyi*, *L. tenuis*, *Amphinemura nigritta*, *Isoperla marlynia*, and *Isogenoides varians* were not recollected in Illinois but we feel that continued collecting is required before a definitive evaluation on these species can be made; one species *Alloperla caudata* was found to be widespread in small streams across the Shawnee Hills.

On further examination of stonefly records for Illinois, six additional species should be considered "rare" in Illinois: *Shipsa rotunda* (Claassen), *Acroneuria filicis* Frison, *A. perplexa* Frison, *Paragnetina media* (Walker), *Isoperla burksi* Frison, *I. mohri* Frison. *Shipsa rotunda* is a new record for the state.

Enclosed is a revised list of the stoneflies species in Illinois and their relative abundances.

***Allocapnia illinoensis* Frison**
Capniidae

Previous Records: This species was originally reported from two localities in Illinois: Clark Co., Rocky Branch, Dolson (Clarksville), 1 March 1931, Frison; 14 January 1932, Frison & Ross, mating pair; 5 January 1933, Frison & Ross; 1 February 1965, Rotramel and Braasch; stream at mouth of Rocky Branch, Dolson, 14 January 1932, Frison & Ross; stream near mouth of Rocky Branch, Dolson, 14 January 1932, Frison & Ross; near Rocky Branch, Dolson, 14 January 1932, Frison & Ross, on fence post; tributary of Rocky Branch, Dolson (Clarksville), 5 January 1933, Frison & Ross; 1.5 miles NE Dolson, 23 February 1958, Smith. Edgar Co., Stream west of Oliver, 14 January 1932, Frison & Ross, on fence post.

New Records: No new records for this species in Illinois were found.

Negative Records: Clark Co., East Fork of Big Creek, 0.5 miles W Oliver, 29 January 1992, Webb & Harris; tributary of West Fork of Big Creek, 2.5 miles SW Oliver, 29 January 1992, Webb & Harris; West Fork of Big Creek, 3 miles SW Oliver, 29 January 1992, Webb & Harris; Rocky Branch of West Fork of Big Creek, 1.5 miles NE Clarksville, 29 January 1992,

Webb & Harris; East Mill Creek, 2 miles NW Marshall, 29 January 1992, Webb & Harris; Fox Creek of Mill Creek, 5 miles NW Marshall, 29 January 1992, Webb & Harris; Mill Creek, 2 miles NNW Clarksville, 29 January 1992, Webb & Harris; East Fork of Big Creek, 12 December 1992, Webb & Harris; Tributary of East Fork of Big Creek, 0.8 km West of Oliver, 12 December 1992, Webb & Harris; Rocky Branch of West Fork of Big Creek, 2.4 km NE Clarksville, 12 December 1992, Webb & Harris; East Fork of Big Creek, 1 km WNW Oliver, 28 January 1993, Webb & Harris; Tributary of East Fork of Big Creek, 1 km WNW Oliver, 28 January 1993, Webb & Harris; Rocky Branch of West Fork of Big Creek, 2.4 km NE Clarksville, 28 January 1993, Webb & Harris; West Fork Creek, 4 km E Westfield, 25 March 1993, Webb; Rocky Branch of West Fork of Big Creek, 3 km NE Clarksville, 25 March 1993, Webb; Tributary of Big Creek, 5 km NE Clarksville, 25 March 1993, Webb; East Fork of Big Creek, 1 km WNW Oliver, 25 March 1993, Webb. Edgar Co., Big Creek, 6 miles SW Paris, 29 January 1992, Webb & Harris; Flemington Creek, 6.5 miles SW Paris, 29 January 1992, Webb & Harris.

STATUS: This species is known from only scattered localities widely distributed in southern Canada and northern United States from eastern Minnesota to the Atlantic coast, with isolated records known from southern Wisconsin, central Illinois, and southeastern Ohio (Ross & Ricker 1971). Four separate collecting trips were made during 1992 and 1993 to Edgar and Clark counties. No specimens of *Allocapnia illinoensis* were collected during any of these trips. We feel that *Allocapnia illinoensis* has been extirpated from Illinois.

Allocapnia nivicola (Fitch)
Capniidae

Previous Records: This species was reported from one locality in Illinois: Coles Co., Fox Ridge State Park, 14 February 1938, Frison & Mohr; 25 February 1938, Frison & Mohr.

New Records: Vermilion Co.: Forest Glen Forest Preserve, tributary of Vermilion River, 8 km SE Westville, 28 January 1991, Lisowski, 5 male 2 females, 28 January 1993, Webb and Harris, 12 males 5 females.

Negative Records: Coles Co, tributary of Embarras River, Fox Ridge State Park, 28 January 1993, Webb and Harris; 27 April 1993, Webb; Embarras River, 4.5 km SE Charleston, 28 January 1993, Webb and Harris; 27 April 1993, Webb. Vermilion Co., Whippoorwill Creek, 8 km ENE Georgetown, 28 January 1993, Webb and Harris; Little Vermilion River, 8.4 km SE Georgetown, 28 January 1993, Webb and Harris Yankee Branch of Little Vermilion River, 7 km SE Georgetown, 28 January 1993, Webb and Harris.

STATUS: *Allocapnia nivicola* is an eastern species and its occurrence in Illinois represents the westernmost extension of its range. During the two trips to Fox Ridge State Park in 1993, no specimens of this species were collected. Specimens of *Allocapnia nivicola* were collected in a small tributary of the Vermilion River in Forest Glen Forest Preserve in 1991 and 1993. This species is restricted to small stony brooks. It was disappointing that this species was not recollected from its original Illinois locality in Fox Ridge State Park but it is possible that *A. nivicola* may be found in other small streams in eastern Illinois. We still classify this species as rare in Illinois.

Allocapnia smithi Ross & Ricker
Capniidae

Previous Records: This species was previously reported from only one locality in Illinois: Pope Co., Lusk Creek, 5 miles SE Eddyville, 5 March 1958, Ross & Stannard; 20 February 1969, Stannard.

New Records: Pope Co., East Fork of Little Lusk Creek [Hartsville], 7.4 km SW Herod, 20 January 1993, Webb & Harris, 2 males. Saline Co., tributary of Battle Ford Creek, 3.5 km NE Delwood, 20 January 1993, Webb & Harris, 2 males.

Negative Records: Gallatin Co., 1.6 km W Highway 1, 22 January 1993, Webb & Harris. Hardin Co., Three Mile Creek, 3.2 miles NNW Rosiclaire, 27 February 1992, Webb & Harris; Big Creek, 0.75 miles W Elizabethtown, 27 February 1992, Webb & Harris; Hosick Creek, 1.5 miles NE Elizabethtown, 27 February 1992, Webb & Harris; Peters Creek, 3 miles NE Elizabethtown, 27 February 1992, Webb & Harris; Round Springs Creek, 4 miles W Cave In Rock, 27 February 1992, Webb & Harris; Peters Creek, 5.2 miles WNW Cave In Rock, 27 February 1992, Webb & Harris; Hogthief Creek, 4 miles N Elizabethtown, 27 February 1992, Webb & Harris; Big Creek, 4 miles NNW Elizabethtown, 27 February 1992, Webb & Harris; Hobbs Creek, 5.4 miles SSE Herod, 27 February 1992, Webb & Harris; Buck Creek, 4.7 miles SSE Herod, 27 February 1992, Webb & Harris; Hicks Branch of Big Grand Pierre River, 4 miles SSE Herod, 27 February 1992, Webb & Harris; North Branch of Hicks Creek of Big Grand Pierre River, 3 miles SE Herod, 27 February 1992, Webb & Harris; Rose Creek, 1.6 miles SE Herod, 27 February 1992, Webb & Harris; Gibbons Creek, Herod, 27 February 1992, Webb & Harris; Hosick Creek, 2.4 km NE Elizabethtown, 22 January 1993, Webb & Harris; Honey Creek, Lamb, 22 January 1993, Webb & Harris; Rock Creek, 0.5 km W Rock Creek, 22 January 1993, Webb & Harris; Harris Creek, 1 km SW Cadiz, 22 January 1993, Webb & Harris; Gibbons Creek, Herod, 18 April 1993, Webb & Harris; tributary of Gibbons Creek, 1.6 km NE Herod, 18 April 1993, Webb & Harris. Johnson Co., Max Creek, 3 miles SWS Simpson, 26 February Webb & Harris; Cedar Creek, Simpson, 26 February Webb & Harris; Bay Creek, 2.5 miles E Simpson, 26 February Webb & Harris. Pope Co., Hayes Creek, 2.2 miles ENE Glendale, 26 February 1992, Webb & Harris; Lusk Creek, 3 miles SE Eddyville, 26 February 1992, Webb & Harris; Lusk Creek, 2.7 miles E Eddyville, 26 February 1992, Webb & Harris; Ramsey Branch of Lusk Creek, 2 miles E Eddyville, 26 February 1992, Webb & Harris; Hayes Creek in Hayes Creek Canyon, 2 miles NNW Eddyville, 26 February 1992, Webb & Harris; Bay Creek, 3.5 miles NW Eddyville, 26 February 1992, Webb & Harris; Bay Creek, Bell Smith Springs area, 7 km NW Eddyville, 26 February 1992, Webb & Harris; Little Saline River, 5.4 miles W Delwood, 26 February 1992, Webb & Harris; Burden Branch of Little Saline River, 4 miles WSW Delwood, 26 February 1992, Webb & Harris; Lusk Creek at Golconda, 27 February 1992, Webb & Harris; Simmons Creek, 4.6 miles N Golconda, 27 February 1992, Webb & Harris; Little Grand Pierre River, 5.6 miles NNE Golconda, 27 February 1992, Webb & Harris; Big Grand Pierre River, 7 miles NNE Golconda, 27 February 1992, Webb & Harris; Lusk Creek, 4.5 km SE Eddyville, 1 May 1992, Webb; tributary of Bay Creek, 7.1 km WNW Eddyville, 1 May 1992, Webb; tributary of Little Saline River at Burden Falls, 9 km NW Eddyville, 1 May 1992, Webb; Lusk Creek, 4.8 km SE Eddyville, 20 January 1993, Webb & Harris; Ramsey Branch of Lusk Creek, 3.2 km E Eddyville, 20 January 1993, Webb & Harris; Lusk Creek, 4.3 km E Eddyville, 20 January 1993, Webb & Harris; confluence of Hill Branch, Hunting Branch, and Mill Branch of Bay Creek, 20 January 1993, Webb & Harris; tributary of Gibbons Creek, Herod, 20 January 1993, Webb & Harris; Gibbons Creek, Herod, 20 January 1993, Webb & Harris; tributary of Hart Creek, 2.5 km SW Herod, 20 January 1993, Webb & Harris; Lusk Creek, 5 km SE Eddyville, 18 April 1993, Webb & Harris; Hayes Creek, Hayes Creek Canyon, 2 km N Eddyville, 20 April 1993, Webb & Harris; Hunting Branch, Bell Smith Springs, 20 April 1993, Webb & Harris; Burden Branch of Little Saline River, 4 miles WSW Delwood, 20 April 1993, Webb & Harris. Saline Co., tributary of Battle Ford Creek, 2.2 miles NE Delwood, 26 February 1992, Webb & Harris; Battle Ford Creek, 3.7 miles N Delwood, 26 February 1992, Webb & Harris; Old Channel of Little Saline River, 4.5 miles E Stonefort, 26 February 1992, Webb & Harris; Channelized portion of Little Saline River, 4.4 miles E Stonefort, 26 February 1992, Webb & Harris; tributary of Battle Ford Creek, 3.5 km NE Delwood, 18 April 1993, Webb & Harris.

STATUS: *Allocapnia smithi* was not collected at Lusk Creek, the only site that it had previously been reported at in Illinois, but it was found at two new localities in Pope and Saline

counties. The Illinois records represent the northwestern most limits of this species' range. *Allocapnia smithi* is known to be associated with spring-fed creeks (Ross & Ricker 1971). It is common in Kentucky and northern Alabama (Poulton & Stewart 1991). From the extensive number of sites collected at and around the original Lusk Creek site, it is evident that this is a rare species in Illinois.

Nemocapnia carolina Banks
Capniidae

Previous Records: This species was reported from one locality in Illinois: Edward/White co's., Grayville, 8 March 1928, Frison & Ross.

Negative Records: No new records for this species in Illinois were found.

Negative Records: Hardin Co., Ohio River, Elizabethtown, 22 January 1993, Webb & Harris; Tower Rock boat ramp, 6 km W Cave In Rock, 22 January 1993, Webb & Harris; Ohio River, Cave In Rock, 22 January 1993, Webb & Harris.. Massac Co., Ohio River, Metropolis, 19 April 1993, Webb & Harris. Pope Co., Lusk Creek at Golconda, 27 February 1992, Webb & Harris; Ohio River, Golconda, 22 January 1993, Webb & Harris; Ohio River, Golconda, 18 April 1993, Webb & Harris..

STATUS: This species has been collected from creeks and large rivers from North Carolina and Virginia to Arkansas. During 1992 and 1993 we were unable to collect this species in Illinois although we feel that collecting in the Wabash and its larger tributaries needs to be extended.

Paracapnia angulata Hanson
Capniidae

Previous Records: This species was reported from a single locality in Illinois: Kane Co., springs in Trout Park [Elgin Botanical Gardens], Elgin, 7 March 1940, Mohr & Burks

New Records: No new records for this species in Illinois were found.

Negative Records: Kane Co., Spring No. 1, north of Trout Park Boulevard, Trout Park, Elgin, 9 June 1992, Webb & Harris; Spring No. 2, south of I-90, Trout Park, Elgin, 9 June 1992, Webb & Harris; Fox River, north edge of Elgin under I-90 bridge, 9 June 1992, Webb & Harris; springs at Trout Park, Elgin, 27 March 1993, Webb & Harris; spring at Chicago Junior Academy, 1 km N Elgin, 27 March 1993, Webb & Harris; Fox River, Elgin, 27 March 1993, Webb & Harris; Fox River, Elgin, 29 April 1993, Webb & Harris; springs at Trout Park, Elgin, 29 April 1993, Webb & Harris. McHenry Co., Boone Creek, 4.5 km SW McHenry, 28 March 1993, Webb & Harris; Fox River, Algonquin, 28 March 1993, Webb & Harris; Fox River, 8 km SE McHenry, 28 March 1993, Webb & Harris; Nippersink Creek, 4 km N Ringwood, 28 March 1993, Webb & Harris; North Branch of Nippersink Creek, Richmond, 28 March 1993, Webb & Harris; tributary of Lawrence Creek, 5 km NE Harvard, 28 March 1993, Webb & Harris; Mokeler Creek, Harvard, 28 March 1993, Webb & Harris; Piscasaw Creek, West Chemung, 28 March 1993, Webb & Harris.

STATUS: Although numerous collecting sites were examined in Kane and McHenry counties, this species was not collected in Illinois during 1992 and 1993. Unzicker and Sanderson (1974), in a report to the Nature Preserves Commission, Illinois Department of Conservation, reported collecting specimens of this species on 11 April 1974 in one of the springs at Trout Park [Elgin Botanical Garden]. These specimens could not be found in the collections of the Illinois Natural History Survey, nor could Dr. Unzicker recall where the material was deposited. Vinikour and Anderson (1984) collected monthly for a year in Trout Park but collected no specimens of this

species. In light of the possible 1974 record, we feel that collecting in the Trout Park area of Kane County needs to be continued before a decision on whether this species has been extirpated from Illinois can be made.

Leuctra sibleyi Claassen
Leuctridae

Previous Records: This species was recorded from only one locality in Illinois: Pope Co., Bell Smith Springs, 2 May 1959, Bouseman & Mockford, one male

New Records: No new records for this species in Illinois were found.

Negative Records: Hardin Co., Gibbons Creek, Herod, 18 April 1993, Webb & Harris; tributary of Gibbons Creek, 1.6 km NE Herod, 18 April 1993, Webb & Harris. Pope Co., Lusk Creek, 4.5 km SE Eddyville, 1 May 1992, Webb; tributary of Bay Creek, 7.1 km WNW Eddyville, 1 May 1992, Webb; tributary of Little Saline River at Burden Falls, 9 km NW Eddyville, 1 May 1992, Webb; Lusk Creek, 5 km SE Eddyville, 18 April 1993, Webb & Harris. Saline Co., Tributary of Battle Ford Creek, 3.5 km NE Delwood, 18 April 1993, Webb & Harris.

STATUS: This species has not been collected in Illinois since 1959. Although this species has not been collected in Illinois since 1959, we feel that continued collecting in the area in and around Bell Smith Springs is needed before an evaluation of this species can be made.

Leuctra tenuis (Pictet)
Leuctridae

Previous Records: This species was known from only one locality in Illinois: Kane Co., Trout Park [Elgin Botanical Garden], Elgin, 19 September 1939, Ross & Mohr; 1 August 1941, Ross.

Negative Records: Kane Co., Spring No. 1, north of Trout Park Boulevard, Trout Park, Elgin, 9 June 1992, Webb & Harris; Spring No. 2, south of I-90, Trout Park, Elgin, 9 June 1992, Webb & Harris; Fox River, north edge of Elgin under I-90 bridge, 9 June 1992, Webb & Harris; springs at Trout Park, Elgin, 27 March 1993, Webb & Harris; spring at Chicago Junior Academy, 1 km N Elgin, 27 March 1993, Webb & Harris; Fox River, Elgin, 27 March 1993, Webb & Harris; Fox River, Elgin, 29 April 1993, Webb & Harris; springs at Trout Park, Elgin, 29 April 1993, Webb & Harris. McHenry Co., Boone Creek, 4.5 km SW McHenry, 28 March 1993, Webb & Harris; Fox River, Algonquin, 28 March 1993, Webb & Harris; Fox River, 8 km SE McHenry, 28 March 1993, Webb & Harris; Nippersink Creek, 4 km N Ringwood, 28 March 1993, Webb & Harris; North Branch of Nippersink Creek, Richmond, 28 March 1993, Webb & Harris; tributary of Lawrence Creek, 5 km NE Harvard, 28 March 1993, Webb & Harris; Mokeler Creek, Harvard, 28 March 1993, Webb & Harris; Piscasaw Creek, West Chemung, 28 March 1993, Webb & Harris.

STATUS: This species has not been collected in Illinois since 1944, although not a lot of effort has been made to collect stoneflies in late summer. Vinikour and Anderson (1984) did not collect any specimens of this species during their survey of Trout Park. We feel that continued effort should be made to survey for stoneflies in the Elgin area from late August to mid October before an evaluation of this species can be made.

Zealeuctra fraxina Ricker & Ross
Leuctridae

Previous Records: This species has been recorded from only one locality in Illinois: Pope Co., Gibbons Creek, Herod, 6 March 1928, Frison & Ross, 1 male.

New Records: Pope Co., tributary of Hart Creek, 2.5 km SW Herod, 20 January 1993, Webb & Harris, 1 male. Saline Co., tributary of Battle Ford Creek, 3.5 km NE Delwood, 20 January 1993, Webb & Harris, 1 male.

Negative Records: Gallatin Co., 1.6 km W Highway 1, 22 January 1993, Webb & Harris. Hardin Co., Three Mile Creek, 3.2 miles NNW Rosiclaire, 27 February 1992, Webb & Harris; Big Creek, 0.75 miles W Elizabethtown, 27 February 1992, Webb & Harris; Hosick Creek, 1.5 miles NE Elizabethtown, 27 February 1992, Webb & Harris.; Peters Creek, 3 miles NE Elizabethtown, 27 February 1992, Webb & Harris; Round Springs Creek, 4 miles W Cave In Rock, 27 February 1992, Webb & Harris; Peters Creek, 5.2 WNW Cave In Rock, 27 February 1992, Webb & Harris; Hogthief Creek, 4 miles N Elizabethtown, 27 February 1992, Webb & Harris; Big Creek, 4 miles NNW Elizabethtown, 27 February 1992, Webb & Harris; Hobbs Creek, 5.4 miles SSE Herod, 27 February 1992, Webb & Harris; Buck Creek, 4.7 miles SSE Herod, 27 February 1992, Webb & Harris; Hicks Branch of Big Grand Pierre River, 4 miles SSE Herod, 27 February 1992, Webb & Harris; North Branch of Hicks Creek of Big Grand Pierre River, 3 miles SE Herod, 27 February 1992, Webb & Harris; Rose Creek, 1.6 miles SE Herod, 27 February 1992, Webb & Harris; Gibbons Creek, Herod, 27 February 1992, Webb & Harris; Hosick Creek, 2.4 km NE Elizabethtown, 22 January 1993, Webb & Harris; Honey Creek, Lamb, 22 January 1993, Webb & Harris; Rock Creek, 0.5 km W rock Creek, 22 January 1993, Webb & Harris; Harris Creek, 1 km SW Cadiz, 22 January 1993, Webb & Harris; Gibbons Creek, Herod, 18 April 1993, Webb & Harris; tributary of Gibbons Creek, 1.6 km NE Herod, 18 April 1993, Webb & Harris. Pope Co., Hayes Creek, 2.2 miles ENE Glendale, 26 February 1992, Webb & Harris; Lusk Creek, 3 miles SE Eddyville, 26 February 1992, Webb & Harris; Lusk Creek, 2.7 miles E Eddyville, 26 February 1992, Webb & Harris; Ramsey Branch of Lusk Creek, 2 miles E Eddyville, 26 February 1992, Webb & Harris; Hayes Creek in Hayes Creek Canyon, 2 miles NNW Eddyville, 26 February 1992, Webb & Harris; Bay Creek, 3.5 miles NW Eddyville, 26 February 1992, Webb & Harris; Bay Creek, Bell Smith Springs area, 7 km NW Eddyville, 26 February 1992, Webb & Harris; Little Saline River, 5.4 miles W Delwood, 26 February 1992, Webb & Harris; Burden Branch of Little Saline River, 4 miles WSW Delwood, 26 February 1992, Webb & Harris.; Lusk Creek at Golconda, 27 February 1992, Webb & Harris; Simmons Creek, 4.6 miles N Golconda, 27 February 1992, Webb & Harris; Little Grand Pierre River, 5.6 miles NNE Golconda, 27 February 1992, Webb & Harris; Big Grand Pierre River, 7 miles NNE Golconda, 27 February 1992, Webb & Harris; Lusk Creek, 4.5 km SE Eddyville, 1 May 1992, Webb; tributary of Bay Creek, 7.1 km WNW Eddyville, 1 May 1992, Webb; tributary of Little Saline River at Burden Falls, 9 km NW Eddyville, 1 May 1992, Webb; Lusk Creek, 4.8 km SE Eddyville, 20 January 1993, Webb & Harris; Ramsey Branch of Lusk Creek, 3.2 km E Eddyville, 20 January 1993, Webb & Harris; Lusk Creek, 4.3 km E Eddyville, 20 January 1993, Webb & Harris.; confluence of Hill Branch, Hunting Branch, and Mill branches of Bay Creek, 20 January 1993, Webb & Harris; tributary of Gibbons Creek, Herod, 20 January 1993, Webb & Harris; Gibbons Creek, Herod, 20 January 1993, Webb & Harris; East Fork of Little Lusk Creek [Hartsville], 7.4 km SW Herod, 20 January 1993, Webb & Harris; Lusk Creek, 5 km SE Eddyville, 18 April 1993, Webb & Harris; Hayes Creek, Hayes Creek Canyon, 2 km N Eddyville, 20 April 1993, Webb & Harris; Hunting Branch, Bell Smith Springs, 20 April 1993, Webb & Harris; Burden Branch of Little Saline River, 4 miles WSW Delwood, 20 April 1993, Webb & Harris. Saline Co., Tributary of Battle Ford Creek, 2.2 miles NE Delwood, 26 February 1992, Webb & Harris; Battle Ford Creek, 3.7 miles N Delwood, 26 February 1992, Webb & Harris; Old Channel of Little Saline River, 4.5 miles E Stonefort, 26 February 1992, Webb & Harris; channelized portion of Little Saline River, 4.4 miles E Stonefort, 26 February 1992, Webb & Harris; tributary of Battle Ford Creek, 3.5 km NE Delwood, 18 April 1993, Webb & Harris.

STATUS: Extensive collecting was carried out during 1992 and 1993 in a variety of streams in Pope, Hardin, Saline, and Gallatin Counties. This species was not recollected in Gibbons Creek at Herod but it was collected in two new sites in Pope County. The Illinois records represent the western limits of distribution for this species and its occurrence in Illinois still remains rare. Over its entire range it is considered rare, and its habitat requirements are poorly known (Poulton & Stewart 1991).

Zealeuctra narfi Ricker & Ross
Leuctridae

Previous Records: This species was reported from only one locality in Illinois: Jackson Co., Fountain Bluff, north of Grand Tower, Ross & Mohr, 22-23 February 1933.

New Records: Saline Co., tributary of Battle Ford Creek, 2.2 miles NE Delwood, 26 February 1992, Webb & Harris, 1 male. Vermillion Co., Kickapoo State Park, 5 May 1978, Lisowski, 1 male 1 female.

Negative Records: Alexander Co., Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 30-IV-1992, Webb; Sandy Creek, 7.2 km NW Tamms, 30-IV-1992, Webb; Orchard Creek, 2.7 km SSE Thebes, 30-IV-1992, Webb. Alexander Co., Mississippi River, Thebes, 30-IV-1992, Webb; Sexton Creek, 5.8 km SE McClure, 30-IV-1992, Webb; Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 19 April 1993, Webb & Harris. Jackson Co., Mississippi River, Grand Tower, 9 April 1993, Webb & Harris; Creek on east side of Fountain Bluff (Happy Hollow), 1.4 miles W Illinois Highway 3, 9 April 1993, Webb & Harris; Happy Hollow Creek, 0.4 miles W Illinois Highway 3, 9 April 1993, Webb & Harris. Union Co., Dutch Creek, 3.8 km S Jonesboro, 30-IV-1992, Webb; Green Creek, 4.9 km W Jonesboro, 30-IV-1992, Webb; Hutchins Creek, 5.4 km E Wolf Lake, 9 April 1993, Webb & Harris; Dutch Creek, 5 km SW Jonesboro, 9 April 1993, Webb & Harris; Harrison Creek, 9.4 km SSW Jonesboro, 9 April 1993, Webb & Harris.

STATUS: The only locality that *Zealeuctra narfi* was reported from in Illinois was at Fountain Bluff in Jackson County. Efforts to recollect this species were concentrated in Jackson, Union, and Alexander Counties. In two years of collecting, no specimens were collected either at Fountain Bluff or in the three southwestern counties. In 1978, 1 male and 1 female were collected in Vermillion Co., and one male was collected in Saline Co., in 1992. Both of these records are well out of the range that this species had been recorded for. "The known distribution of *Z. narfi* is in a narrow band from northern Arkansas to southcentral Wisconsin ..." (Ricker & Ross 1969). It is puzzling that with the extensive collecting that was undertaken in the eastern area of the Shawnee Hills that only one male was collected. In addition, it is very puzzling that it would turn up east central Illinois in Vermillion County. It is apparent that this species is extremely rare in Illinois.

Amphinemura nigrilla (Provancher)
Nemouridae

Previous Records: This species was reported from Johnson Co., Clifty Creek, New Columbia.

New Records: No new records for this species in Illinois were found.

Negative Records: Johnson Co., Little Cache River, Vienna, 30 April 1992, Webb; Cache River, 2 km W west Vienna, 30 April 1992, Webb; Clifty Creek, 0.5 km N Crossroads, 7-8 June, 1993, Webb; Cave Creek, 6 km SE Vienna, 8 June 1993, Webb; Clifty Creek, 0.5 km N

Crossroads, 22 June 1993, Webb; Clifty Creek, 0.5 km N Crossroads, 23 June 1993, Webb; Cache River, 8.6 km W Vienna, 23 June 1993, Webb

STATUS: No new records have been found in Illinois for this species. Although larval specimens of *Amphinemura* were collected at Clifty Creek, identification to species cannot be made on the basis of the immature stages. It is apparent that continued collecting at this site is necessary to validate the status of this species.

Nemoura trispinosa Claassen
Nemouridae

Previous Records: This species has only been reported from one locality in Illinois: Kane Co., Trout Park [Elgin Botanical Garden], Elgin, 9 May 1939, Ross & Burks, 1 nymph; 13 June 1939, Frison & Ross, 6 males, 8 females, 11 nymphs; 6 June 1950, Sanderson, 1 male, 1 female; 11 June 1956, Kramer, 2 males, 3 females; 10 August 1960, Ross & Smith, 1 male.

New Records: Kane Co., Spring, north of Trout Park Boulevard, Trout Park, Elgin, 9 June 1992, Webb & Harris 6 males, 4 females; Trout Park, 7 July 1993, Harris & Wetzel, 2 males 3 nymphs.

Negative Records: Kane Co., Spring No. 2, south of I-90, Trout Park, Elgin, 9 June 1992, Webb & Harris; Fox River, north edge of Elgin under I-90 bridge, 9 June 1992, Webb & Harris; springs at Trout Park, Elgin, 27 March 1993, Webb & Harris; spring at Chicago Junior Academy, 1 km N Elgin, 27 March 1993, Webb & Harris; Fox River, Elgin, 27 March 1993, Webb & Harris; Fox River, Elgin, 29 April 1993, Webb & Harris; springs at Trout Park, Elgin, 29 April 1993, Webb & Harris. McHenry Co., Fox River, Algonquin, 28 March 1993, Webb & Harris; Fox River, 8 km SE McHenry, 28 March 1993, Webb & Harris; Boone Creek, 4.5 km SW McHenry, 28 March 1993, Webb & Harris; Nippersink Creek, 4 km N Ringwood, 28 March 1993, Webb & Harris; North Branch of Nippersink creek, Richmond, 28 March 1993, Webb & Harris; tributary of Lawrence Creek, 5 km NE Harvard, 28 March 1993, Webb & Harris; Mokeler Creek, Harvard, 28 March 1993, Webb & Harris; Piscasaw Creek, West Chemung, 28 March 1993, Webb & Harris.

STATUS: Although this species was recollected at Elgin's Trout Park, it was collected from only one of the three springs. Unzicker and Sanderson (1974) found no specimens of this species in 1974 although Vinikour and Anderson (1984) found it commonly during 1979-1980. Due to the installation of Interstate 90 through the old Elgin Botanical Garden, there has been a significant amount of modification to this site. It was also not collected at any other sites in Kane and McHenry counties. This species is still found in only one locality in Illinois, and is still considered rare in Illinois.

Prostoia completa (Walker)
Nemouridae

Previous Records: This species was recorded from only one locality in Illinois: Union Co., Hutchins Creek, Wolf Lake, 13 March 1946, Ross & Burks, 1 male, 1 female.

New Records: Union Co., Hutchins Creek, 5.4 km E Wolf Lake, 19 April 1993, Webb & Harris, 1 male, 1 female.

Negative Records: Alexander Co., Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 30-IV-1992, Webb; Sandy Creek, 7.2 km NW Tamms, 30-IV-1992, Webb; Orchard Creek, 2.7 km SSE Thebes, 30-IV-1992, Webb; Mississippi River, Thebes, 30-IV-1992, Webb; Sexton Creek, 5.8 km SE McClure, 30-IV-1992, Webb; Cooper Creek, 1.3 km SW Mill Creek (Union

Co.), 19 April 1993, Webb & Harris. Jackson Co., Mississippi River, Grand Tower, 19 April 1993, Webb & Harris; Creek on east side of Fountain Bluff (Happy Hollow), 1.4 miles W Illinois Highway 3, 19 April 1993, Webb & Harris; Happy Hollow Creek, 0.4 miles W Illinois Highway 3, 19 April 1993, Webb & Harris. Union Co., Dutch Creek, 3.8 km S Jonesboro, 30-IV-1992, Webb; Green Creek, 4.9 km W Jonesboro, 30-IV-1992, Webb; Dutch Creek, 5 km SW Jonesboro, 19 April 1993, Webb & Harris; Harrison Creek, 9.4 km SSW Jonesboro, 19 April 1993, Webb & Harris.

STATUS: Although this species was recollected at Hutchins Creek, Union County, it was not collected at any other sites in Alexander, Jackson, or Union counties. This species is still known from only one locality in Illinois, and still should be considered rare in Illinois.

Alloperla banksi Frison
Chloroperlidae

The two male specimens of this species reported from Illinois in Frison (1942) were utilized as the type specimens for the new species *Alloperla roberti*, Surdick (1981). This species should be removed from the list of stoneflies occurring in Illinois.

Alloperla caudata Frison
Chloroperlidae

Previous Records: This species was reported from two localities in Illinois: Union Co., Hutchins Creek, near Wolf Lake, 12 May 1939, Burks & Riegel, 1 male; 15 May 1940, Mohr & Burks, 1 female; 25 May 1940, Mohr & Burks, many males, many females; 31 May 1940, Burks, 11 males, 3 female, 1 nymph; La Rue, near McCann School, 26 May 1938, Burks & Riegel, 1 male.

New Records: Alexander Co., Cooper Creek, 1.5 km SW Mill Creek, 23 June 1993, Webb, 5 males 7 females. Pope Co., Flick Branch of Lusk Creek, 4 miles NNW Golconda, 3 June 1986, Lisowski, 2 males 1 female; Flick Creek, 6.5 km NNW Golconda, 22 June 1993, Webb 3 males; tributary of Lusk Creek, 2.5 km NNE Eddyville, 22 June 1993, Webb, 1 male 10 males 5 females; Flick Creek, 5.5 km NW Golconda, 22 June 1993, Webb, 13 males 6 females; Little Lusk Creek, 7 km SW Herod, 21 June 1993, Webb, 1 male 4 females. Union Co., Hutchins Creek, 2.8 miles ENE Wolf Lake, 4 June 1986, Lisowski; Hutchins Creek, 7 km WNW Alto Pass, 23 June 1993, Webb, 3 males 9 females.

Negative Records: Alexander Co., Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 30-IV-1992, Webb; Sandy Creek, 7.2 km NW Tamms, 30-IV-1992, Webb; Orchard Creek, 2.7 km SSE Thebes, 30-IV-1992, Webb; Mississippi River, Thebes, 30-IV-1992, Webb; Sexton Creek, 5.8 km SE McClure, 30-IV-1992, Webb; Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 19 April 1993, Webb & Harris. Jackson Co., Mississippi River, Grand Tower, 19 April 1993, Webb & Harris; creek on east side of Fountain Bluff (Happy Hollow), 1.4 miles W Illinois Highway 3, 19 April 1993, Webb & Harris; Happy Hollow Creek, 0.4 miles W Illinois Highway 3, 19 April 1993, Webb & Harris; tributary of Big Muddy River, 105 km NW Alto Pass, 23 June 1993, Webb. Johnson Co., Clifty Creek, 0.5 km N Crossroads, 22 June 1993, Webb; Clifty Creek, 0.5 km N Crossroads, 23 June 1993, Webb; Cache river, 8.6 km W Vienna, 23 June 1993, Webb. Pope Co., Gibbon Creek, Herod, 21 June 1993, Webb; Lusk Creek, 4 km SE Eddyville, 21 June 1993, Webb; Hills Branch of Sugar Creek, 0.5 miles E Dixon Spring, 22 June 1993, Webb; Quarrel Creek, 8 km NE Dixon springs, 22 June 1993, Webb; Union Co., Dutch Creek, 3.8 km S Jonesboro, 30-IV-1992, Webb; Green Creek, 4.9 km W Jonesboro, 30-IV-1992, Webb; Hutchins Creek, 5.4 km E Wolf Lake, 19 April 1993, Webb & Harris; Dutch Creek, 5 km SW Jonesboro, 19 April 1993, Webb & Harris; Harrison Creek, 9.4 km SSW Jonesboro,

19 April 1993, Webb & Harris; Hutchins Creek, 5.4 km E Wolf Lake, 23 June 1993, Webb; tributary into Cedar Lake, 1.6 km N Alto Pass, 23 June 1993, Webb.

STATUS: This species was reported from two localities within Union County. The search for this species was concentrated in Alexander, Jackson, and Union Counties. From the number of new records that were collected it is now apparent that this species is widespread in small streams throughout the Shawnee Hills as it is in the rest of the Ozarks.

Alloperla roberti Surdick
Chloroperlidae

Previous Records: This species has only been reported from one locality in Illinois: Rock Island Co., Rock Island, 1860, Walsh.

New Records: No new records for this species in Illinois were found.

Negative Records: Hancock Co., Mississippi River, Hamilton, 12 June 1992, Webb & Harris. Henderson Co., Mississippi River, Oquawka, 12 June 1992, Webb & Harris; Mississippi River, 7 km W Gladstone, 12 June 1992, Webb & Harris. Jo Daviess Co., Mississippi River, 10 km NW Hanover, 11 June 1992, Webb & Harris; Mississippi River, East Dubuque, 29 April 1993, Webb & Harris. Lee Co., Rock River, 3.5 km NE Dixon, 10 June 1992, Webb & Harris; Rock River, 9 km WSW Dixon, 10 June 1992, Webb & Harris. Ogle Co., Rock River, Lowden State Park, 2 km N Oregon, 10 June 1992, Webb & Harris; Rock River, Castle Rock State Park, 10 km NNE Grand Detour, 10 June 1992, Webb & Harris. Rock Island Co., Rock River, west end of Vandruuff Island, Rock Island, 10 June 1992, Webb & Harris; Mississippi River, north point of Rock Island, Rock Island, 11 June 1992, Webb & Harris; Mississippi River, Rock Island, 30 April 1993, Webb & Harris. Whiteside Co., Rock River, Prophetstown State Park, Prophetstown, 10 June 1992, Webb & Harris; Mississippi River, Albany, 11 June 1992, Webb & Harris. Winnebago Co., Rock River, Hononegah Forest Preserve, 3.5 km SE Rockton, 10 June 1992, Webb & Harris; Rock River, Blackhawk Park, Rockford, 10 June 1992, Webb & Harris.

STATUS: This species is designated category 3A by the US Fish and Wildlife Service (Federal Register Vol 54, No.4, Friday January 6, 1989). "Category 3 comprises taxa that were once being considered for listing as endangered or threatened, but are not currently receiving such consideration." "Subcategory 3A comprises taxa for which the [Fish and Wildlife] Service has persuasive evidence of extinction. If rediscovered, however, such taxa might warrant high priority for addition to the List of Endangered and Threatened Wildlife." Since there was not an invertebrate specialist at the Regional Office of the Fish and Wildlife Service in Minneapolis, no information was available as to how this species had been placed on the extinction list, and what surveys were done to justify this position. We will continue to communicate with the Fish and Wildlife Service to clarify this problem.

Haploperla brevis (Banks)
Chloroperlidae

Previous Records: This species was reported from only two localities in Illinois: Union Co., Hutchins Creek May 1938, May 1939, May 1940) and LaSalle Co., Indian Creek, 19 May 1938.

New Records: Union Co., Hutchins Creek, 2.8 mi ENE Wolf Lake, 4 June 1986, E. A. Lisowski, 1 female; Hutchins Creek, 5.4 km E Wolf Lake, 21 June 1993, Webb & Harris, 1 nymph; 19 April 1993, Harris & Webb, 10 nymphs.

Negative Records: Alexander Co., Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 30-IV-1992, Webb; Sandy Creek, 7.2 km NW Tamms, 30-IV-1992, Webb; Orchard Creek, 2.7 km SSE Thebes, 30-IV-1992, Webb; Mississippi River, Thebes, 30-IV-1992, Webb; Sexton Creek, 5.8 km SE McClure, 30-IV-1992, Webb; Cooper Creek, 1.3 km SW Mill Creek (Union Co.), 19 April 1993, Webb & Harris; Cooper Creek, 1.5 km SW Mill Creek, 23 June 1993, Webb. Jackson Co., Mississippi River, Grand Tower, 19 April 1993, Webb & Harris; creek on east side of Fountain Bluff (Happy Hollow), 1.4 miles W Illinois Highway 3, 19 April 1993, Webb & Harris; Happy Hollow Creek, 0.4 miles W Illinois Highway 3, 19 April 1993, Webb & Harris; tributary of Big Muddy River, 105 km NW Alto Pass, 23 June 1993, Webb. Union Co., Dutch Creek, 3.8 km S Jonesboro, 30-IV-1992, Webb; Green Creek, 4.9 km W Jonesboro, 30-IV-1992, Webb; Hutchins Creek, 5.4 km E Wolf Lake, 19 April 1993, Webb & Harris; Dutch Creek, 5 km SW Jonesboro, 19 April 1993, Webb & Harris; Harrison Creek, 9.4 km SSW Jonesboro, 19 April 1993, Webb & Harris; Hutchins Creek, 5.4 km E Wolf Lake, 23 June 1993, Webb; tributary into Cedar Lake, 1.6 km N Alto Pass, 23 June 1993, Webb; Hutchins Creek, 2.8 miles ENE Wolf Lake, 4 June 1986, Lisowski; Hutchins Creek, 7 km WNW Alto Pass, 23 June 1993, Webb.

STATUS: Although extensive collecting was done across the Shawnee Hills, this species was only recollected at Hutchins Creek in Union County. This species must still be considered rare in Illinois.

***Acroneuria lycorias* (Newman)**
Perlidae

STATUS: This species has been incorrectly listed by Illies (1966) for Illinois based on a mistaken reference to information in Frison (1942) (B. P. Stark, personal communication). This species should be removed from the list of stoneflies occurring in Illinois.

***Isoperla conspicua* Frison**
Perlodidae

Previous Records: This species was originally reported from one locality in Illinois: Rock Island Co., Rock River, Rock Island, 16 May 1931.

New Records: No new records for this species in Illinois were found.

Negative Records: Hancock Co., Mississippi River, Hamilton, 12 June 1992, Webb & Harris. Henderson Co., Mississippi River, Oquawka, 12 June 1992, Webb & Harris; Mississippi River, 7 km W Gladstone, 12 June 1992, Webb & Harris. Jo Daviess Co., Mississippi River, 10 km NW Hanover, 11 June 1992, Webb & Harris; Mississippi River, East Dubuque, 29 April 1993, Webb & Harris. Lee Co., Rock River, 3.5 km NE Dixon, 10 June 1992, Webb & Harris; Rock River, 9 km WSW Dixon, 10 June 1992, Webb & Harris. Ogle Co., Rock River, Lowden State Park, 2 km N Oregon, 10 June 1992, Webb & Harris; Rock River, Castle Rock State Park, 10 km NNE Grand Detour, 10 June 1992, Webb & Harris. Rock Island Co., Rock River, west end of Vandruuff Island, Rock Island, 10 June 1992, Webb & Harris; Mississippi River, north point of Rock Island, Rock Island, 11 June 1992, Webb & Harris; Mississippi River, Rock Island, 30 April 1993, Webb & Harris. Whiteside Co., Rock River, Prophetstown State Park, Prophetstown, 10 June 1992, Webb & Harris; Mississippi River, Albany, 11 June 1992, Webb & Harris. Winnebago Co., Rock River, Hononegah Forest Preserve, 3.5 km SE Rockton, 10 June 1992, Webb & Harris; Rock River, Blackhawk Park, Rockford, 10 June 1992, Webb & Harris.

STATUS: This species has not been collected in Illinois since 1931. It is our consensus that this species has been extirpated from Illinois.

Isoperla marlynia (Needham & Claassen)
Perlodidae

Previous Records: This species was originally reported from one locality in Illinois: LaSalle Co., Work's Brook, Ottawa, 3 April 1902. Rock Island Co., Rock and Mississippi Rivers, Rock Island, 2 April 1928, Frison & Ross, 27 April 1932, Frison & Mohr. Winnebago Co., Rock River, Rockford, 3 April 1928, Frison & Ross.

New Records: No new records for this species in Illinois were found.

Negative Records: Hancock Co., Mississippi River, Hamilton, 12 June 1992, Webb & Harris. Henderson Co., Mississippi River, Oquawka, 12 June 1992, Webb & Harris; Mississippi River, 7 km W Gladstone, 12 June 1992, Webb & Harris. Jo Daviess Co., Mississippi River, 10 km NW Hanover, 11 June 1992, Webb & Harris; Mississippi River, East Dubuque, 29 April 1993, Webb & Harris. Lee Co., Rock River, 3.5 km NE Dixon, 10 June 1992, Webb & Harris; Rock River, 9 km WSW Dixon, 10 June 1992, Webb & Harris. Ogle Co., Rock River, Lowden State Park, 2 km N Oregon, 10 June 1992, Webb & Harris; Rock River, Castle Rock State Park, 10 km NNE Grand Detour, 10 June 1992, Webb & Harris. Rock Island Co., Rock River, west end of Vandruff Island, Rock Island, 10 June 1992, Webb & Harris; Mississippi River, north point of Rock Island, Rock Island, 11 June 1992, Webb & Harris; Mississippi River, Rock Island, 30 April 1993, Webb & Harris. Whiteside Co., Rock River, Prophetstown State Park, Prophetstown, 10 June 1992, Webb & Harris; Mississippi River, Albany, 11 June 1992, Webb & Harris. Winnebago Co., Rock River, Hononegah Forest Preserve, 3.5 km SE Rockton, 10 June 1992, Webb & Harris; Rock River, Blackhawk Park, Rockford, 10 June 1992, Webb & Harris.

STATUS: Although this species has not been collected in Illinois since 1932 we feel that continued collecting needs to be carried out on the large rivers of Illinois.

Isogenoides varians (Walsh)
Perlodidae

Previous Records: This species was originally reported from three locality in Illinois: Pope Co., Golconda, 19 April 1914. Rock Island Co., Rock Island, 1863. Wabash Co., Wabash River, Mt Carmel, 8 April 1939, Frison & Burks.

New Records: No new records for this species in Illinois were found.

Negative Records: Alexander Co., Mississippi River, Thebes, 30-IV-1992, Webb. Clark Co., Wabash River, Darwin, 1 July 1992, Webb and Harris; Wabash River, 6 km SSE Darwin, 1 July 1992, Webb and Harris. Crawford Co., Wabash River, Hutsonville, 21 June 1993, Webb. Edwards Co., Wabash River, Grayville, 21 June 1993, Webb. Gallatin Co., Ohio River, Old Shawneetown, 7 June 1993, Webb. Hancock Co., Mississippi River, Hamilton, 12 June 1992, Webb & Harris. Hardin Co., Ohio River, Cave In Rock, 7 June 1993, Webb; Ohio River, Elizabethtown, 7 June 1993, Webb. Henderson Co., Mississippi River, Oquawka, 12 June 1992, Webb & Harris; Mississippi River, 7 km W Gladstone, 12 June 1992, Webb & Harris. Jackson Co., Mississippi River, Grand Tower, 19 April 1993, Webb & Harris. Jo Daviess Co., Mississippi River, 10 km NW Hanover, 11 June 1992, Webb & Harris; Mississippi River, East Dubuque, 29 April 1993, Webb & Harris. Lee Co., Rock River, 3.5 km NE Dixon, 10 June 1992, Webb & Harris; Rock River, 9 km WSW Dixon, 10 June 1992, Webb & Harris. Massac Co., Ohio River, Metropolis, 19 April 1993, Webb & Harris; Ohio River, Metropolis, 22 June 1993, Webb; Ohio River, Brookport, 22 June 1993, Webb. Ogle Co., Rock River, Lowden State Park, 2 km N Oregon, 10 June 1992, Webb & Harris; Rock

River, Castle Rock State Park, 10 km NNE Grand Detour, 10 June 1992, Webb & Harris. Pope Co., Ohio River, Golconda, 18 April 1993, Webb & Harris; Ohio river, Golconda, 7 June 1993, Webb; Ohio River, Golconda, 22 June 1993, Webb. Rock Island Co., Rock River, west end of Vandruff Island, Rock Island, 10 June 1992, Webb & Harris; Mississippi River, north point of Rock Island, Rock Island, 11 June 1992, Webb & Harris; Mississippi River, Rock Island, 30 April 1993, Webb & Harris. Wabash Co., Grand Rapids on Wabash River, 4 km NE Mount Carmel, 1 July 1992, Webb & Harris; Grand Rapids on Wabash River, 3 km NNE Mount Carmel, 21 June 1993, Webb. Union Co., Mississippi River, Grand Tower, 19 April 1993, Webb & Harris. Whiteside Co., Rock River, Prophetstown State Park, Prophetstown, 10 June 1992, Webb & Harris; Mississippi River, Albany, 11 June 1992, Webb & Harris. Winnebago Co., Rock River, Hononegah Forest Preserve, 3.5 km SE Rockton, 10 June 1992, Webb & Harris; Rock River, Blackhawk Park, Rockford, 10 June 1992, Webb & Harris.

STATUS: This species has not been collected in Illinois since 1939, but we feel that more extensive efforts should be made in collecting the large rivers of Illinois.

Pteronarcys dorsata (Say)
Pteronarcidae

STATUS: This species has been incorrectly listed by Illies (1966) for Illinois based on a mistaken reference to information in Frison (1942) (B. P. Stark, personal communication). This species should be removed from the list of stoneflies occurring in Illinois.

LITERATURE CITED

- Frison, T. H. 1942. Studies of North American Plecoptera with special reference to the fauna of Illinois. Bulletin of the Illinois Natural History Survey 22(2):235-355.
- Illies, J. 1966. Katalog der rezenten Plecoptera. Das Tierreich 82:1-632.
- Poulton, B. C. and K. W. Stewart, 1991. The stoneflies of the Ozark and Ouachita mountains (Plecoptera). Memoirs of the American Entomological Society 38:1-116.
- Ricker, W. E. and H. H. Ross. 1969. The genus *Zealeuctra* and its position in the family Leuctridae (Plecoptera, Insecta). Canadian Journal of Zoology 47:1113-1127.
- Ross, H. H. and W. E. Ricker. 1971. The classification, evolution, and dispersal of the winter stonefly genus *Allocapnia*. University of Illinois Biological Monograph 45:1-162.
- Surdick, R. F. 1981. New Nearctic Chloroperlidae (Plecoptera). Great Basin Naturalist 41:349-359.
- Unzicker J. U. and M. W. Sanderson. 1974. The aquatic insects of the Elgin Botanical Gardens at Elgin, Kane County, Illinois on April 11, 1974. Report to the Illinois Nature Preserves Commission. 2 pp.
- Vinikour, W. S. and R. V. Anderson. 1984. Macroinvertebrates and fishes of Trout Park Nature Preserve, Elgin, Illinois. Transactions of Illinois Academy of Sciences 77:95-102.

Relative abundance of Illinois stoneflies. Abbreviations: R - Rare, 1-3 localities; U - Uncommon, 4-14 localities; C - Common, >14 localities. [Updated 8/92 MAH/DWW]

Relative Abundance		Relative Abundance	
Euholognatha		<i>Haploperla</i>	
Capniidae		<i>brevis</i> (Banks)	R
Capniinae		Perlidae	
<i>Allocapnia</i>		Perlinae	
<i>forbesi</i> Frison	U	Acroneuriinae	
<i>granulata</i> (Claassen)	C	Acroneuriini	
<i>illinoensis</i> Frison	R	<i>Acroneuria</i>	
<i>mystica</i> Frison	C	<i>abnormis</i> (Newman)	C
<i>nicicola</i> (Fitch)	R	<i>evoluta</i> Klapálek	U
<i>recta</i> (Claassen)	U	<i>filicis</i> Frison	R
<i>rickeri</i> Frison	C	<i>frisoni</i> Stark and Brown	C
<i>smithi</i> Ross & Ricker	R	<i>internata</i> (Walker)	U
<i>vivipara</i> (Claassen)	C	<i>perplexa</i> Frison	R
<i>Nemocapnia</i>		<i>Attaneuria</i>	
<i>carolina</i> Banks	R	<i>ruralis</i> (Hagen)	C
<i>Paracapnia</i>		<i>Perlesta</i>	
<i>angulata</i> Hanson	R	<i>decipiens</i> (Walsh)	C
Leuctridae		<i>Perlinella</i>	
Leuctrinae		<i>drymo</i> (Newman)	U
<i>Leuctra</i>		<i>ephrye</i> (Newman)	U
<i>ferruginea</i> (Walker)	U	Perlinae	
<i>rickeri</i> James	U	Neoperlini	
<i>sibleyi</i> Claassen	R	<i>Neoperla</i>	
<i>tenuis</i> (Pictet)	R	<i>clymene</i> (Newman) complex	C
<i>Zealeuctra</i>		Perlinae	
<i>claasseni</i> (Frison)	U	<i>Agnatina</i>	
<i>fraxina</i> Ricker & Ross	R	<i>flavescens</i> (Walsh)	C
<i>narfi</i> Ricker & Ross	R	<i>Paragnetina</i>	
Nemouridae		<i>kansensis</i> (Banks)	U
Amphinemurinae		<i>media</i> (Walker)	R
<i>Amphinemura</i>		Perlodidae	
<i>delosa</i> (Ricker)	U	Isoperlinae	
<i>nigritta</i> (Provancher)	R	<i>Cliooperla</i>	
<i>varshava</i> (Ricker)	U	<i>clio</i> (Newman)	C
Nemourinae		<i>Isoperla</i>	
<i>Nemoura</i>		<i>bilineata</i> (Say)	C
<i>trispinosa</i> Claassen	R	<i>burksi</i> Frison	R
<i>Prostoia</i>		<i>conspicua</i> Frison	R
<i>completa</i> (Walker)	R	<i>decepta</i> Frison	C
<i>Shipsa</i>		<i>longiseta</i> Banks	U
<i>rotunda</i> (Claassen)	R	<i>marlynia</i> (Needham & Claassen)	R
Taeniopterygidae		<i>mohri</i> Frison	R
Brachypteryginae		<i>nana</i> (Walsh)	C
<i>Strophopteryx</i>		<i>richardsoni</i> Frison	U
<i>fasciata</i> (Burmeister)	C	Perlodinae	
Taeniopteryginae		Perlodini	
<i>Taeniopteryx</i>		<i>Hydroperla</i>	
<i>burksi</i> Ricker & Ross	C	<i>crobyi</i> (Needham & Claassen)	U
<i>lita</i> Frison	U	<i>fugitans</i> (Needham & Claassen)	U
<i>metequi</i> Ricker & Ross	U	<i>Isogenoides</i>	
<i>nivalis</i> (Fitch)	C	<i>varians</i> (Walsh)	R
<i>parvula</i> Banks	U	Pteronarcyidae	
Systellognatha		Pteronarcyinae	
Chloroperlidae		Pteronarcyini	
Chloroperlinae		<i>Pteronarcys</i>	
<i>Alloperla</i>		<i>pictetii</i> Hagen	C
<i>caudata</i> Frison	R		
<i>roberti</i> Surdick	R		