

CURRICULUM VITAE: DR. JONATHAN N. BASKIN

Present Positions

Owner and Principal Senior Scientist, San Marino Environmental Associates
560 South Greenwood Avenue
San Marino, CA 91108-1270
Phone: voice (626) 792-2382 FAX (626) 792-8233
e-mail: jnbaskin@pacbell.net
Home page: www.SMEA.org

Professor Emeritus, Biological Sciences
California State Polytechnic University, Pomona
Pomona, California 91768
Phone: voice (909) 869-4045 FAX 869-4078
e-mail: JNBASKIN@CSUPOMONA.EDU
Home page: <http://www.csupomona.edu/~jnbaskin/>

Education:

- 1961 - B.A., Biology, Harvard College
- 1965 - M.S., Marine Biological Sciences
University of Miami, Florida
- 1973 - Ph.D., Biology, City University of New York, Joint Program with American
Museum of Natural History

Employment History:

- 1961-1964 Research Assistant, Institute of Marine Science, University of Miami,
Florida.
- 1962 Fishery Aide, Fish and Wildlife Service, Sandy Hook Marine Laboratory,
New Jersey.
- 1964-1965 Research Assistant, Ichthyology Department, American Museum of
Natural History, New York.
- 1967-1968 Smithsonian Institute Museum Training Fellow, Ichthyology Department,
American Museum of Natural History, New York.
- 1965-1967, 1968-1971 - Lecturer in Biology, Queens College, City University of New
York.
- 1971-present Assistant, Associate Full and Emeritus Professor Biological Sciences
Department, California State Polytechnic University Pomona.
- 1973-present Research Associate, Department of Ichthyology, Los Angeles County
Museum of Natural History.
- 1974 Visiting Professor, Instituto de Zoologia Tropical, Universidad Central
de Venezuela, Caracas.

Membership and Activities in Professional Societies:

American Society of Ichthyologists and Herpetologists (Environmental Quality

Committee).
American Association for the Advancement of Science.
American Fisheries Society.
Association for Tropical Biology.
Desert Fishes Council.
Neotropical Ichthyological Association (Steering Committee).
Sigma Xi
Southern California Academy of Sciences (Board of Directors).
Significant Ecological Areas Technical Advisory Committee of Regional Planning
Department, Los Angeles County, CA.
Upper Newport Bay Scientific Advisory Committee (California Department of
Fish and Game).
Southern California Native Fishes Working Group (coordinator).
Unarmored Threespine Stickleback Recovery Team (U.S. Fish and Wildlife Service).

Grants and Fellowships Awarded:

Smithsonian Institute Museum Training Fellowship for training at American Museum
of Natural History, Ichthyology Department, 1967-1968

National Science Foundation Travel Grant to attend NATO Advanced Study
Institute in Evolution, Istanbul, Turkey, 1969

Field Study of Fishes in Latin America, Cal Poly Kellogg Unit Foundation,
International Development Fund, 1973

Systematic Studies of Fishes of the Orinoco River, Venezuela. National Science
Foundation Grant No. DEB77- 14439, 1977-1980 (with John G.
Lundberg, Duke University, co-principle investigator)

Curation of Fishes of the Orinoco River, Venezuela. NSF Grant No. DEB-
8022343, 1981-1982 (with J. G. Lundberg)

Studies on Orinoco Fishes. Cal Poly Kellogg Unit Foundation (several small grants),
1979-1982

Development of joint Tropical Biology Field Course (in Venezuela) with Universidad
Central de Venezuela, Caracas; Cal Poly Kellogg Unit Foundation, 1981-1982.

Development of joint course for Venezuelan students in the Ecology of the
Southwestern U.S. with Universidad Central de Venezuela, Caracas; several small
CSPUP Lottery Fund grants, 1982-1991.

Microcomputer Based Laboratories in College Biology. National Science Foundation
Grant No. CSI-8551679, 1985-1987.

Workshop on the Historical Biogeography of Neotropical Freshwater Fishes; June
1989; San Francisco, California. National Foundation Grant No. INT-8822735.

CSPUP Faculty Development Mingrants, various, 1995-2007.

Courses taught at CSPUP:

Marine Biology, Ichthyology, Fishery Biology, Conservation Biology, Life Science, Vertebrate Zoology, Comparative Vertebrate Anatomy, Tropical Field Biology (in Venezuela).

Masters Degree students supervised as major advisor:

Joerger, Mark D. 1984. Ecology of Juvenile *Brachyplatystoma flavicans* (Siluroidei: Pimelodidae) in the Lower Orinoco River of Venezuela.

Curran, Daniel J. 1986. An Initial Cladistic Analysis of the Genera of the Auchenipteridae (Teleostei, Siluriformes, Siluroidei).

Tres, Jaime. 1992. Breeding Biology of the Arroyo chub, *Gila orcutti* (Pices: Cyprinidae).

Even, Thomas J. 1993. The Effect of Trout Predation on the Structure of a Lotic Macroinvertebrate Community.

Spina, Anthony P. 1996. Obligate Intraspecific Habitat Use in Patches: The Effect of Predation.

Morales, Diane M. 2002. Comparative Histology and Morphology of the Alimentary Tract of the South American Parasitic Catfishes, Trichomycteridae.

Publications and Presentation Abstracts:

1966 - Baskin, Jonathan N., and Ernst E. Williams. The lesser Antillean *Ameiva* (Sauria, Teiidae) - Re-evaluation, zoogeography and the effects of predation. Studies on the Fauna of Curacao and other Caribbean Islands, vol. XXIII, pp. 144-176, 2 plates.

1969 -Lundberg, John G. and Jonathan N. Baskin. Phylogenetic trends in the caudal skeleton of the catfishes. Forty- ninth Annual Meeting of American Society of Ichthyologists and Herpetologists, New York, New York. p. 40 (abstract)

1969 - Baskin, Jonathan. Comments on elements of the siluriform upper jaw. Forty-Ninth Annual Meeting of the American Society of Ichthyologists and Herpetologists, New York, New York. pp. 26-27. (Abstract)

1969 - Lundberg, John G., and Jonathan N. Baskin. The caudal skeletal of the catfishes, Order Siluriformes. Novitates, American Museum of Natural History, No. 2398, pp. 1-49.

- 1969 - Some criteria for determining the direction of an evolutionary trend. Report of the NATO Advanced Study Institute, Vertebrate Evolution: Mechanism and Process, Robet College, Istanbul, Turkey. pp. 100-101
- 1970 - Baskin, Jonathan N. Osteology and phylogenetic relationships of trichomycterid catfishes. Fiftieth Annual Meeting of the American Society of Ichthyologists and Herpetologists, New Orleans, Louisiana. p. 40. (Abstract)
- 1971 - Baskin, Jonathan N. The significance of a new loricarioid catfish for the interpretation of armored catfish evolution. Fifty-first Annual Meeting of the American Society of Ichthyologists and Herpetologists, Los Angeles, California. (Abstract)
- 1972 - Baskin, Jonathan N. The anatomy and relationships of a scale-eating catfish, *Apomatoceros alleni* (Trichomycteridae; Stegophilinae). Fifty-second Annual Meeting of the American Society of Ichthyologists and Herpetologists, Boston, Massachusetts. p. 30. (Abstract)
- 1973 - Baskin, Jonathan N. Structure and Relationships of the Trichomycteridae, Pisces, Siluriformes. Dissertation Abstracts International, B. The Sciences and Engineering, Vol. 33, No. 11. pp. 5146B-5147B.
- 1976 - Bailey, Reeve M. and Jonathan N. Baskin. *Scoloplax dicra*, a minute new catfish from the Bolivian Amazon. Occasional Papers of the Museum of Zoology, University of Michigan, No. 674, pp. 1-14.
- 1976 - Feldmeth, Robert C. and Jonathan N. Baskin. Thermal and respiratory studies with reference to temperature and oxygen tolerance for the unarmored stickleback *Gasterosteus aculeatus williamsoni* Hubbs. Bulletin of the Southern California Academy of Science, (Carl L. Hubbs Honorary Issue), Vol. 75, No. 2, pp. 127-131
- 1978 - Baskin, Jonathan N., Murry D. Dailey, Steven Murray and Earl Segal, contributing editors. Proceedings of a Symposium on Urban Harbor Environment, April 16, 1977. Southern California Ocean Studies Consortium. Technical Paper No. 1: i-viii + 95 pp.
- 1979 - Baskin, Jonathan N., John G. Lundberg and Francisco Mago L. A Tiny Undescribed Blind Banjo Catfish (Aspredinidae) from deep waters of the Orinoco River, with comments on systematics of the family. Fifty-ninth Annual Meeting of the American Society of Ichthyologists and Herpetologists. (abstract)
- 1979 - Lundberg, John G., Francisco Mago L. and Jonathan N. Baskin. Gymnotiform Electric Fishes from Deep Channels of the Orinoco River. (Ibid) (Abstract)
- 1980 - Baskin, Jonathan N., Thomas M. Zaret and Francisco Mago-Leccia. Feeding of reportedly parasitic catfishes (Trichomycteridae and Cetopsidae) in the Rio

Portuguesa Basin, Venezuela. *Biotropica*. Vol. 12, No. 3, pp. 182-186.

- 1985 - Mago-Leccia, Francisco, John G. Lundberg, Jonathan N. Baskin. Systematics of the South American Fish Genus *Adontosternarchus* (Gymnotiformes, Apterontidae). Los Angeles County Museum of Natural History – Contributions in Science. No. 358, pp. 1-19.
- 1987 - Baskin, Jonathan N., Review of Fishes: A Field and Laboratory Manual on Their Structure, Identification, and Natural History in *Copeia* 1987, No. 3, pp. 814-6.
- 1988 - Baskin, Jonathan N., Interview with Leon Croizat. *Rivista di Biologia*. vol. 81 (4), pp. 589-611.
- 1998 – Baskin, Jonathan N., Phylogenetic Relationships among the parasitic catfishes of subfamily Stegophilinae (Pices, Trichomycteridae). Symposium on the Phylogeny and Classification of Neotropical Freshwater Fishes. Porto Alegre, Brasil.
- 2000 - Swift, Camm C. and Jonathan N. Baskin. Biodiversity and Conservation of the freshwater fishes of southern California. In *Planning for Biodiversity: Bringing Research and Management Together* (abstract).
- 2000 – Morales, Diane M. and Jonathan N. Baskin. Comparative morphology and Histology of the digestive tract of the teleost family Trichomycteridae: the parasitic catfishes. Annual joint meetings of the American Society of Ichthyologists and Herpetologists and the Neotropical Ichthyological Association, La Paz, Mexico (abstract).
- 2001 Baskin, J. N. and T. R. Haglund. What is nonindigenous and is it all bad. Annual meeting of the American Society of Ichthyologists and Herpetologists. Invited symposium speaker (abstract).
- 2003 F. Provenzano R., S. A. Schaefer, J. N. Baskin, and R. Royero-Leon A new, possibly extinct Lithogenine loricariid (Siluriformes, Loricariidae) from Northern Venezuela. *Copeia*, 2003 (3):562-575.
- 2005 Schaefer, S.A., F. Provenzano R., M.C.C. de Pinna, and J. N. Baskin. New and noteworthy Venezuelan glanapterygine catfishes (Siluriformes, Trichomycteridae), with a discussion of their biogeography and psammophily. *American Museum Novitates*, 3496:1-27.

Research Reports and Consulting Contracts: (partial listing)

- 1974 Baskin, J. N., Survey of the unarmored threespine stickleback (*Gasterosteus aculeatus williamsoni*) in the upper Santa Clara River drainage. Bureau

- of Sport Fisheries and Wildlife contract, pp. 1-67 plus appendices 1-4.
- 1975 Baskin, J. N., Biology and habitat of the unarmored threespine stickleback, *Gasterosteus aculeatus williamsoni*, in the upper Santa Clara River, California. California Department of Fish and Game contract, pp. 1-28 plus appendices I-II.
- 1976 Baskin, J. N. and M. A. Bell. Unarmored Threespine Stickleback survey and report. U.S. Department of Agriculture, Forest Service contract, pp. 1-53.
- 1977 Bell, M. A. and J. N. Baskin. Survey for the Unarmored Threespine Stickleback in San Bernardino National Forest. U.S. Department of Agriculture, Forest Service contract, pp.1-22 plus Appendix I.
- 1992 Haglund, T. R. and J. N. Baskin. Distribution of native fishes and trout in the West Fork of the San Gabriel River October 1991. Los Angeles County Department of Public Works contract, pp. 1-12 plus appendices A-F.
- 1992 Haglund, T. R. and J. N. Baskin. Distribution of native fishes and Southwestern Pond Turtles in the upper San Gabriel River Drainage. Los Angeles County Department of Public Works contract, pp.1-63 plus appendix.
- 1992 Haglund, T. R. and J. N. Baskin. Temperature Monitoring of the West Fork of the San Gabriel River. Los Angeles County Department of Public Works contract, pp.1-16 plus appendices A-B.
- 1992 Haglund, T. R., C. Clark and J. N. Baskin. Biological assessment of Haskell Creek, Los Angeles, California. James M. Montgomery Consulting Engineers contract, pp. 1- 26 plus appendices 1-4.
- 1992 Baskin, J. N. and T. R. Haglund. Report of fish survey of Santa Clara River stream crossings. Newhall Land and Farming Company contract, pp.1-2 plus appendices 1-2.
- 1994 Swift, C. C., J. N. Baskin and T. R. Haglund. The Status and Distribution of the Tidewater Goby, *Eucyclogobius newberryi* (Pices, Gobiidae), on MCB Camp Pendleton, California. report to Environmental and Natural Resources Office, Camp Pendleton Marine Corps Base, pp. 1-70.
- 1994 Haglund, T. R. and J. N. Baskin. Survey of Fishes in the Ventura County Flood Control Drains, Port Hueneme and Oxnard, Ventura County, California 3 August, 1994. report to Impact Sciences, pp. 1-5.
- 1995 Haglund, T. H., C. C. Swift and J. N. Baskin. Survey of Fishes in the Ventura County Flood Control Drains, Port Hueneme and Oxnard, Ventura County, California 3 November 1994. report to Impact Sciences, pp. 1-13.
- 1995 Haglund, T. R. and J. N. Baskin. Fish Population and Gravel Studies during Cogswell Reservoir Sediment Removal - Phase 2, 1994 Status Report. Report

- to Los Angeles County Department of Public Works. pp. 1-28 plus appendices 1-4.
- 1995 Haglund, T. R. and J. N. Baskin. Distribution and Abundance of Native Fishes, Southwestern Pond Turtles and Two- striped Garter Snakes below Morris Dam and in Brown's Gulch, San Gabriel River Canyon 1995. Report to Los Angeles County Department of Public Works. pp. 1-21.
- 1995 Haglund, T. R. and J. N. Baskin. Sensitive Aquatic Species Survey: Santa Clara River and San Francisquito Creek, Newhall Land and Farming Company Property, Los Angeles County, California. report to Valencia Company. pp. 1-50.
- 1995 Haglund, T. R. and J. N. Baskin. Rare Plant and Animal Survey, Santa Clarita Water District Service Area, Los Angeles County, California. report to Santa Clarita Water Company. pp. 1-77 plus appendix 1.
- 1995 Haglund, T. R. and J. N. Baskin. Impact Analysis for Santa Clarita Water District's Water Appropriation Application, Santa Clara River, Los Angeles County, California. pp. 1- 32 plus appendices 1-3.
- 1995 Baskin, J.N. and T.R. Haglund. Field Report on Surveys and Exclusion of Sensitive Fishes form Gas Pipeline Work Sites in the Santa Clara River, Los Angeles County, California, October-December, 1995. 20pp. Submitted to Southern California Gas Company.
- 1996 Haglund, T.R. and J. N. Baskin. Survey of Fishes in the Great Basin United Air Pollution Control District Study Area – Owens Lake. 17pp. Submitted to Sapphos Environmental.
- 1996 Haglund, T.R. and J.N. Baskin. Status and Monitoring of the Agua Dulce Unarmored Threespine Stickleback Population. 28pp. Appendices A and B.
- 1997 Baskin, J.N. and T.R. Haglund. Abbreviated Field Survey Results, Selected Comments on Sensitive Species and EIR Suggested Mitigation for Sensitive Fish Species for the Tesoro del Valle Project, Area D. 28pp. Submitted to BonTerra Consulting.
- 1999 Haglund, T.R. and J.N. Baskin. Final Monitoring Report for Lompoc-Casmalia Road Sediment Removal, Vandenberg Air Force Base, California. 31pp. Submitted to Tetra Tech, Inc.
- 1999 Baskin, J. N. and T. R. Haglund. Protection of Fishes in the Santa Clara River, Soledad Canyon During Bank Stabilization Activities. 7pp. Prepared for Los Angeles County Department of Public Works.
- 1999 Haglund, T.R. and J.N. Baskin. Initial Biological Inventory of the Strawberry Creek Drainage, San Bernardino National Forest. 56pp., appendices 1-6,

prepared for Hatch and Parent Inc.

- 1999 Baskin, J.N. and T. R. Haglund. Conservation Program for the Santa Ana Sucker in the Santa Ana River, Southern California. 38 pp. Prepared for Santa Ana Watershed Project Authority.
- 2000 Haglund, T. R. and J. N. Baskin. Fish and Avian Survey and Riverine Habitat Assessment of the Santa Clara River at Highway 101, Ventura County. 32pp. Prepared for California Department of Transportation, contract with California State Polytechnic University Pomona.
- 2002 Haglund, T. R. and J. N. Baskin. Status of the Santa Ana Sucker and Santa Ana Speckled Dace in the U.S. Forest Service San Gabriel River OHV Area, West Fork of the San Gabriel River. 162 pp. Prepared for U.S. D. A. Forest Service, Angeles National Forest, contract with California State Polytechnic University Pomona.
- 2002 Haglund, T.R. and J. N. Baskin. Southern Pacific Springs Baseline Biological Monitoring Study. 43 pp. Prepared for Nestle Waters Of North America.
- 2003 Haglund, T.R., J. N. Baskin and C.C. Swift. Results of the Year 2 Implementation of the Santa Ana Sucker Conservation Program for the Santa Ana River. 100pp. Report prepared for Santa Ana Sucker Conservation Team under contract with Santa Ana Water Project Authority.