

# Curriculum Vitae of Gordon H. Kruse

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## C O N T A C T   A D D R E S S

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## E D U C A T I O N

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|-------|-----------------------|-------------------------------------|------|
| Ph.D. | <i>Fisheries</i>      | Oregon State University             | 1983 |
| M.S.  | <i>Fisheries</i>      | Oregon State University             | 1981 |
| B.A.  | <i>Biomathematics</i> | Rutgers College, Rutgers University | 1977 |

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## P R I M A R Y   R E S E A R C H   I N T E R E S T S

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Applied marine fisheries research, including population dynamics, alternative management strategies, fisheries oceanography, and marine ecosystem dynamics and management.

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## S U M M A R Y   O F   P R O F E S S I O N A L   E X P E R I E N C E

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- 11/01 – pres. **President's Professor of Fisheries and Oceanography**, School of Fisheries & Ocean Sciences, University of Alaska Fairbanks, Juneau, Alaska
- 3/89 – 11/01 **Marine Fisheries Scientist**, Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, Juneau, Alaska
- 8/85 - 3/89 **Statewide Shellfish Biometrician**, ADF&G, Division of Commercial Fisheries, Juneau, Alaska
- 1/84 - 6/85 **Post-doctoral Research Fellow (Fisheries Biologist)**, Department of Fisheries and Oceans, St. John's, Newfoundland, Canada

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## U N I V E R S I T Y / T E A C H I N G   E X P E R I E N C E

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- 11/01 – pres. **President's Professor of Fisheries and Oceanography**, University of Alaska Fairbanks, School of Fisheries and Ocean Sciences. Current chair, SFOS Promotion and Tenure Committee. Supervised 5 MS and PhD graduates and currently chairing committees of 11 graduate students. As committee member, served on committees of 18 MS and PhD other graduates and now serving on 14 current graduate student committees as a member. Courses taught: *MSL 652 Marine Ecosystems (3 cr.)*, *FISH 640 Management of Renewable Marine Resources (3 cr.)*, *Fish 695 Social, Oceanographic, and Ecological Perspectives in Marine Ecosystems (3 cr.)*, *FISH 695 The North Pacific Fishery Management Council: A Case Study (2 cr.)*, *MSL 640 Fisheries Oceanography (3 cr.)*, *FISH 421 Fish Population Dynamics (4 cr.)*, *MSL 693 Aleutian Marine Ecosystem Processes (2 cr.)*, *FISH 692 Applied Spatial Analysis Discussion*

Group (1 cr.), FISH 693 Ecosystem Considerations in Fisheries Management (1 cr.), FISH 697 Individual Study (1 cr. on topics including Shark Research and Biometrics, Crab Biology and Fisheries, and Shrimp Biology, Assessment and Management, and FISH 497/692 Department Seminar (1 cr.).

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G R A D U A T E S T U D E N T A D V I S I N G

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Former Graduate Students Mentored as Major Professor:

- Stahl, J.P. 2004. An examination of the maturation of walleye pollock, *Theragra chalcogramma*, in the eastern Bering Sea in relation to temporal and spatial factors. MS thesis, University of Alaska Fairbanks. 149 p.
- Soboleff, N.J. 2006. Potential interactions between state-managed fisheries and Steller sea lions (*Eumetopias jubatus*). MS thesis, University of Alaska Fairbanks. 124 p.
- Tojo, N. 2006. Environmental cues for Pacific herring (*Clupea pallasii*) spawning in northern Bristol Bay. MS thesis, University of Alaska Fairbanks. 144 p.
- Bechtol, W.R. 2009. Abundance, recruitment, and environmental forcing of Kodiak red king crab. Ph.D. dissertation, University of Alaska Fairbanks. 205 p.
- Tribuzio, C.A. 2010. Life history, demography and ecology of the spiny dogfish (*Squalus acanthias*) in the Gulf of Alaska. Ph.D. dissertation, University of Alaska Fairbanks. 183 p.
- Gaspar, J. (co-chair with J. Greenberg, UAF) 2011. Policy and market analysis of world dogfish fisheries and an evaluation of the feasibility of a dogfish fishery in waters of Alaska, USA.

Current Graduate Students Mentored as Major Professor (tentative thesis titles):

- Barr, B.W. (co-chair with A. Kliskey, UAA) – Ocean Wilderness in Theory and Practice.
- Ellsworth, A. Retrospective analysis of northern shrimp stocks off Kodiak Island.
- Glass, J. – Spatiotemporal distributions of benthic communities occupying weathervane scallop beds off Alaska.
- Hall, A. – Effects of trawling, substrate and depth on stomach contents of flatfishes in the eastern Bering Sea.
- Hendrich, C. (co-chair with J. Margaraf) – Alternative escapement goals for Unuk River chinook salmon (*Oncorhynchus tshawytscha*).
- Richar, J. – Recruitment mechanisms of Tanner crabs in the eastern Bering Sea.
- Ushimaya, T. (co-chair with F. Mueter) – Biomass dynamic modeling of key eastern Bering Sea species.

Von Biela, V. Growth chronologies of long-lived *Sebastes* reveal historical ecosystem dynamics in the Northeast Pacific.

Webb, J. (co-chair with G. Eckert, UAS) – Developing biological reference points for crustacean fisheries: Reproductive potential of Bristol Bay red king crab and eastern Bering Sea snow crab.

Williams, B. – Reproductive biology of walleye pollock and implications on fishery management.

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O T H E R   P R O F E S S I O N A L   E X P E R I E N C E

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11/08 – pres. **Vice-chair, Fishery Science Committee (FIS)**, North Pacific Marine Science Organization (PICES), **Chair** during 10/05 – 11/08, and **U.S. Delegate (member)** since 8/95.

10/02 – pres. **Member, Scientific and Statistical Committee**, North Pacific Fishery & 1/90 - 1/92 Management Council. **Vice chair** during 1/03 – 12/04 and **Chair** during 1/05 – 1/07.

11/05 – pres. **Fellow, Cooperative Institute for Alaska Research (CIFAR)**, University of Alaska.

11/08 – 12/10 **Member, NOAA's Ecosystem Sciences and Management Working Group (ESMWG)**.

1/09 – 11/10 **Chair, Steering Committee**, 26<sup>th</sup> Lowell Wakefield Fisheries Symposium on Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management. Held in Anchorage, AK, during November 8-11, 2010.

1/95 – 11/96 **Convenor**, ICES/PICES Symposium on Rebuilding Depleted Fish Stocks: Biology, Ecology, Social Science, and Management Strategies. Held in Warnemünde, Germany, during November 3-6, 2009.

6/07 – 3/09 **Chair, Steering Committee**, 25<sup>th</sup> Lowell Wakefield Fisheries Symposium on Biology and Management of Exploited Crab Populations under Climate Change. Held in Anchorage, AK, during March 10-13, 2009.

10/05 – 11/08 **Member, Science Board**, North Pacific Marine Science Organization (PICES).

1/05 – 11/06 **Chair, Steering Committee**, 24<sup>th</sup> Lowell Wakefield Fisheries Symposium on Resiliency of Gadid Stocks to Fishing and Climate Change. Held in Anchorage, AK, during October 31 - November 3, 2006.

10/04 – 12/08 **Member, PICES Web Publications Committee**, North Pacific Marine Science Organization.

- 1/03 – 11/03 **Member, PICES Study Group on Capacity Building**, North Pacific Marine Science Organization.
- 11/02 – 10/04 **Member, Science Panel**, North Pacific Marine Research Board.
- 1/02 – 10/03 **Chair, Steering Committee**, 21<sup>st</sup> Lowell Wakefield Fisheries Symposium on Fisheries Assessment and Management in Data-limited Situations. Held in Anchorage, AK, during October 22-25, 2003.
- 8/02 – 6/04 **Member, Scientific Technical Committee**, AYK Sustainable Salmon Initiative.
- 7/01 – 1/03 **Member, Committee on Alaska Groundfish Fishery and Steller Sea Lions**, National Academy of Sciences.
- 12/00 – 6/02 **Member, Committee on Effects of Bottom Trawling on Seafloor Habitats**, National Academy of Sciences.
- 11/00 – 11/01 **Chair, Alaska Steller Sea Lion Restoration Team**, appointed by Alaska Governor Tony Knowles.
- 7/99 – 1/01 **Member, Steering Committee**, 19<sup>th</sup> Lowell Wakefield Fisheries Symposium on Crabs in Cold Water Regions: Biology, Management, and Economics. Held in Anchorage, AK, during January 17-20, 2001.
- 11/07 – 10/09 **Chair, Steering Committee**, 17<sup>th</sup> Lowell Wakefield Fisheries Symposium on Spatial Processes and Management of Marine Populations. Held in Anchorage, AK, during October 27-30, 1999.
- 11/97 – 11/00 **Chair, Wally Noerenberg Award Committee**, Alaska Chapter, American Fisheries Society.
- 11/06 – 10/08 **Chair, Steering Committee**, 16<sup>th</sup> Lowell Wakefield Fisheries Symposium on Ecosystem Approaches for Fisheries Management. Held in Anchorage, AK, during September 30-October 3, 1998.
- 8/96 – 11/01 **State of Alaska Representative, Ecosystem Committee**, North Pacific Fishery Management Council.
- 8/95 – 10/99 **State of Alaska Representative**, Coastal Marine Institute, Technical Steering Committee
- 1/94 – 6/08 **Member, Editorial Board**, Alaska Fishery Research Bulletin, Alaska Department of Fish and Game. **Chair** during 11/00 – 6/08.
- 1/95 – 11/96 **Member, Steering Committee**, 14<sup>th</sup> Lowell Wakefield Fisheries Symposium on Forage Fishes in Marine Ecosystems. Held in Anchorage, AK, during November 13-16, 1996.
- 6/93 – 11/01 **Member, Scallop Plan Team**, North Pacific Fishery Management Council.

5/91 – 11/01 **Member, Marine and Estuarine Committee**, International Association of Fish and Wildlife Agencies.

11/90 – 10/92 **Chair, Steering Committee**, 10<sup>th</sup> Lowell Wakefield Fisheries Symposium on Management Strategies for Exploited Fish Populations. Held in Anchorage, AK, during October 21-24, 1992.

1/98 – 11/99 **Member, Steering Committee**, 7<sup>th</sup> Lowell Wakefield Fisheries Symposium on King and Tanner Crabs. Held in Anchorage, AK, during November 28-30, 1999.

1/86 - 12/89 **Member, Crab Plan Team**, North Pacific Fishery Management Council.

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D E T A I L S   O F   P R O F E S S I O N A L   E X P E R I E N C E

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11/01 – pres. **President's Professor of Fisheries**, University of Alaska Fairbanks, School of Fisheries and Ocean Sciences.

- Conduct research in areas of interest, including stock assessment (primarily using length-based methods applied to crabs and shrimps), life history and demographics, population dynamics, fisheries oceanography, and management strategy evaluations of harvest rate, size limits, etc. Species studied have included multiple species of crabs, shrimps, scallops, sea cucumbers, walleye pollock, Pacific herring, and spiny dogfish.
- Supervise graduate students. I currently chair or co-chair 11 graduate students and serve on another 18 graduate student committees as a member.
- Teach graduate courses – e.g., *Fisheries Oceanography*, *Fish Population Dynamics*, *Marine Ecosystems*, *Aleutian Marine Ecosystem Processes*, *Management of Renewable Marine Resources*, *Management of Alaska's Marine Fisheries*, *Ecosystem Considerations in Fisheries Management*, *Applied Spatial Analysis Seminar*, and *Department Seminar*.
- Serve on scientific and technical committees. I am a member (former chair and vice-chair) of the Scientific and Statistical Committee of the North Pacific Fishery Management Council, vice-chair (former chair) of the Fishery Science Committee of the North Pacific Marine Science Organization (PICES), former chair of the Editorial Board of the Alaska Fishery Research Bulletin, and chair (or member) of the organizing committees for multiple international symposia.

3/89 – 11/01 **Marine Fisheries Scientist**, ADF&G, Division of Commercial Fisheries, Juneau, Alaska

- Develop ADF&G's objectives and priorities for marine fisheries research and assessment, and administer ADF&G's marine fishery research/assessment program with annual budget of approximately \$4 million (direct supervision) and \$5 million (indirect supervision)
- Responsible for scientific and technical quality of the division's marine research program, and directly supervise a staff of four biometricians, two fishery biologists, a fishery scientist, and two analyst programmers to conduct applied fishery research and develop scientifically-

sound fishery management plans, and indirectly oversee research conducted by 10 biometricians, 28 fishery biologists, and 14 technicians

- Serve as ADF&G's lead technical authority on marine fisheries research and management issues on state, federal and international scientific/technical committees and other fora
- As project leader, conduct applied research on population estimation methods, stock productivity, annual catch and overfishing levels, alternative management strategies, fishery oceanography, and ecosystem dynamics

8/85 - 3/89     **Statewide Shellfish Biometrician**, ADF&G, Division of Commercial Fisheries, Juneau, Alaska

- As project leader, conduct applied research on shellfish fisheries, including: develop stock assessment methods, analyze shellfish management strategies using statistical and modeling techniques, and investigate biological mechanisms that influence fishery productivity
- Develop objectives and priorities for ADF&G's shellfish research and assessment program, and control scientific and technical quality control of the division's shellfish program
- Serve as lead technical authority for the State of Alaska on Crab Fishery Management Plan Team of the NPFMC, and other public and scientific fora

1/84 - 6/85     **Fisheries Biologist**, Post-Doctoral Research Fellow, Department of Fisheries and Oceans, St. John's, Newfoundland, Canada

- Design a research proposal and implement an investigation of growth and survival of capelin (*Mallotus villosus*) larvae and biological and physical oceanographic conditions in Newfoundland coastal waters
- Collect and analyze oceanographic, planktonic and benthic data and administer a \$120,000 contract to collect oceanographic and meteorological data

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P R O F E S S I O N A L   A N D   H O N O R   S O C I E T I E S

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|--|----------------|
| American Fisheries Society                             | Phi Beta Kappa |
| American Statistical Association                       | Phi Sigma      |
| National Shellfisheries Association                    | Phi Kappa Phi  |
| American Association for the Advancement<br>of Science | Sigma Xi       |

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A W A R D S

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*Marine Research Award, Alaska Ocean Leadership Award, Alaska SeaLife Center, January 17, 2010.*

*W.F. Thompson Best Student Paper Award for 2008, American Institute of Fishery Research Biologists, for Stahl and Kruse (2009) published in the Trans. Amer. Fish. Soc.*

*Registry of Distinguished Graduates*, Oregon State University, Department of Fisheries and Wildlife, June 2008.

*Lavern Weber Visiting Scientist Award*, Oregon State University, Hatfield Marine Science Center, July – December 2007.

*Meritorious Service Award*, American Fisheries Society, Alaska Chapter, November 1998

*Most Significant Paper of 1989*, Transactions of the American Fisheries Society, July 1990.

*Commendation Award*, Governor Steve Cowper, State of Alaska, August 1, 1989.

*Performance Award for Meritorious Service*, Alaska Department of Fish and Game, March 1989.

*Honorable Mention, Best Paper Award for 1988*, American Fisheries Society, Alaska Chapter, November 1988.

*Post-doctoral Research Fellowship*, National Sciences and Engineering Research Council of Canada, 1984-1985.

*Walter G. Jones Fishery Development Award*, Oregon State University, May 1982.

*Outstanding Publication Award*, Oregon State University Graduate School, July 1982.

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R E F E R E E D P U B L I C A T I O N S

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Swiney, K.M., W.C. Long, G.L. Eckert, **G.H. Kruse**. Submitted. Red king crab, *Paralithodes camtschaticus*, size-fecundity relationship, and inter-annual and seasonal variability in fecundity. Canadian Journal of Fisheries and Aquatic Sciences, in review.

Tribuzio, C.A., and **G.H. Kruse**. Submitted. Life history of spiny dogfish in the Gulf of Alaska. Journal of Fish Biology, in review.

Tribuzio, C.A., and **G.H. Kruse**. In press. Demographic and risk analyses of spiny dogfish (*Squalus suckleyi*) in the Gulf of Alaska using age- and stage-based population models. Marine and Freshwater Research, in press.

Livingston, P.A., **G.H. Kruse**, and L. Richards. 2011. Progress toward ecosystem-based approaches for the assessment of fisheries under data-limited situations. Fisheries Research, in press.

Grant, W.S., S.E. Merkouris, **G.H. Kruse**, and L.W. Seeb. 2011. Low allozyme heterozygosity in North Pacific and Bering Sea populations of red king crab (*Paralithodes camtschaticus*): adaptive specialization, population bottleneck or metapopulation structure? ICES Journal of Marine Science 68: 499-506.

- Hammer, C., O.S. Kjesbu, **G.H. Kruse**, P.A. Shelton. 2010. Rebuilding depleted fish stocks: biology, ecology, social science and management strategies. *ICES Journal of Marine Science* 67: 1825-1829.
- Siddeek, M.S.M., J. Zheng, F. Morado, **G.H. Kruse**, and W. Bechtol. 2010. Effects of bitter crab disease on rebuilding Alaska Tanner crab stocks. *ICES Journal of Marine Science* 67: 2027-2032.
- Kruse, G.H.**, J. Zheng, and D.L. Stram. 2010. Recovery of the Bristol Bay stock of red king crabs under a rebuilding plan. *ICES Journal of Marine Science* 67: 1866-1874.
- Armstrong, D., P.S. McDonald, **G.H. Kruse**, A.H. Hines, J.M. Orensanz. 2010. A crab for all seasons: the confluence of fisheries and climate as drivers of crab abundance and distribution. Pages 1 – 46 *in* G.H. Kruse, G.L. Eckert, R.J. Foy, R.N. Lipcius, B. Sainte-Marie, D.L. Stram, and D. Woodby (eds.). *Biology and management of exploited crab populations under climate change*. Alaska Sea Grant College Program AK-SG-10-01, University of Alaska Fairbanks, Fairbanks.
- Bechtol, W.R., and **G.H. Kruse**. 2010. Factors affecting historical red king crab recruitment around Kodiak Island, Alaska. Pages 413 – 432 *in* G.H. Kruse, G.L. Eckert, R.J. Foy, R.N. Lipcius, B. Sainte-Marie, D.L. Stram, and D. Woodby (eds.). *Biology and management of exploited crab populations under climate change*. Alaska Sea Grant College Program , AK-SG-10-01 University of Alaska Fairbanks, Fairbanks.
- Tribuzio, C.A., **G.H. Kruse**, and J.T. Fujioka. 2010. Age and growth of spiny dogfish (*Squalus acanthias*) in the Gulf of Alaska: a comparison of alternative growth models. *Fishery Bulletin* 108: 119-135.
- Gröger, J.P., **G.H. Kruse**, and N. Rohlf. 2010. Slave to the rhythm: How large-scale climate cycles trigger herring regeneration in the North Sea. *ICES Journal of Marine Science* 67: 454-465.
- Rice, J.S., V.F. Gallucci, and **G.H. Kruse**. 2009. Evaluation of the precision of age estimates for spiny dogfish. Pages 161 - 168 *in* V.F. Gallucci, G.A. McFarlane, and G.G. Bargmann, editors. *Biology and management of the dogfish sharks*. American Fisheries Society, Bethesda, Maryland.
- Kruse, G.H.**, Y. Ishida, and C.I. Zhang. 2009. Rebuilding of depleted fish stocks through an ecosystem approach to fisheries. *Fisheries Research* 100:1-5.
- Bechtol, W.R., and **G.H. Kruse**. 2009. Reconstruction of historical abundance and recruitment of red king crab during 1960–2004 around Kodiak, Alaska. *Fisheries Research* 100: 86-98.
- Bechtol, W.R., and **G.H. Kruse**. 2009. Analysis of a stock-recruit relationship for red king crab off Kodiak Island, Alaska. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 1:29-44.
- Stahl, J.P., and **G.H. Kruse**. 2008. Spatial and temporal variability in size of maturity of walleye pollock in the eastern Bering Sea. *Transactions of the American Fisheries*

Society 137: 1543-1557. [Paper won W.F. Thompson Best Student Paper Award from American Institute of Fishery Research Biologists]

- Stahl, J.P., and **G.H. Kruse**. 2008. Classification of ovarian stages of walleye pollock. Pages 1-23 in G.H. Kruse, K. Drinkwater, J.N. Ianelli, J.S. Link, D.L. Stram, V. Wespestad, and D. Woodby (eds.). Resiliency of gadid stocks to fishing and climate change. Alaska Sea Grant College Program AK-SG-08-01, University of Alaska Fairbanks.
- Kruse, G.H.** 2008. Symposium Dedication to Albert V. Tyler. Page vi in G.H. Kruse, K. Drinkwater, J.N. Ianelli, J.S. Link, D.L. Stram, V. Wespestad, and D. Woodby (eds.), Resiliency of gadid stocks to fishing and climate change. Alaska Sea Grant College Program AK-SG-08-01, University of Alaska Fairbanks.
- Kruse, G.H.**, A.V. Tyler, B. Sainte-Marie, and D. Pengilly. 2007. A workshop on mechanisms affecting year-class strength formation of snow crabs (*Chionoecetes opilio*) in the eastern Bering Sea. Alaska Fishery Research Bulletin 12(2): 277-290.
- Tojo, N., **G.H. Kruse**, and F.C. Funk. 2007. Migration dynamics of Pacific herring (*Clupea pallasii*) and response to spring environmental variability in the Southeastern Bering Sea. Deep Sea Research II 54: 2832-2848.
- Kruse, G.H.** 2007a. Ecosystem structure: crabs and shrimps. Pages 135-145 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.** 2007b. Agents of ecosystem change: species interactions. Pages 187-191 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.** 2007c. Predator control of seals using depth charges. Page 200 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.** 2007d. Long-term change: crabs and shrimps. Pages 378-394 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.** 2007e. Match-mismatch hypothesis. Page 386 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.** 2007f. The oscillating control hypothesis. Page 543-547 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.** 2007g. Trophic cascades. Pages 539-542 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Kruse, G.H.**, and A.M. Springer. 2007. Agents of ecosystem change: marine mammal harvest and fishing. Pages 192-219 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Spies, R., and **G.H. Kruse**. 2007. Is the Gulf of Alaska a self-organized critical system? Pages 551-554 in R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.

- Spies, R., T. Cooney, A.M. Springer, T. Weingartner, and **G.H. Kruse**. 2007. Long-term changes in the GOA: properties and causes. Pages 521-560 *In* R.B. Spies, ed. Long-term ecological change in the northern Gulf of Alaska. Elsevier. Amsterdam.
- Zheng, J., and **G.H. Kruse**. 2006. Recruitment variation of eastern Bering Sea crabs: climate forcing or top-down effects? *Progress in Oceanography* 68: 184-204.
- Collie, J.S., A.K. DeLong, and **G.H. Kruse**. 2005. Three-stage catch-survey analysis applied to blue king crabs Pages 683-714 *in* Kruse, G.H., V.F. Gallucci, D.E. Hay, R.I. Perry, R.M. Peterman, T.C. Shirley, P.D. Spencer, B. Wilson, and D. Woodby (eds.), *Fisheries assessment and management in data-limited situations*. Alaska Sea Grant College Program AK-SG-05-02, University of Alaska Fairbanks.
- Kruse, G.H.**, J.P. Barnhart, and G.E. Rosenkranz. 2005. Management of the data-limited weathervane scallop fishery in Alaska. Pages 51-68 *In* Kruse, G.H., V.F. Gallucci, D.E. Hay, R.I. Perry, R.M. Peterman, T.C. Shirley, P.D. Spencer, B. Wilson, and D. Woodby (eds.), *Fisheries assessment and management in data-limited situations*. Alaska Sea Grant College Program AK-SG-05-02, University of Alaska Fairbanks.
- Schumacher, J.D., and **G.H. Kruse**. 2005. Toward sustainable ecosystem services from the Aleutian Archipelago. *Fisheries Oceanography* 14(Suppl. 1): 277-291.
- Zheng, J., and **G.H. Kruse**. 2003. Stock-recruitment relationships for three major Alaskan crab stocks. *Fisheries Research* 65: 103-121.
- National Research Council. 2003. *Decline of the Steller sea lion in Alaskan waters: untangling food webs and fishing nets*. National Academy Press, Washington, D.C. 204 p.
- Zheng, J., and **G.H. Kruse**. 2002. Retrospective length-based analysis of Bristol Bay red king crabs: model evaluation and management implications. Pages 475-494 *in* Paul, A.J., E.G. Dawe, R. Elnor, G.S. Jamieson, **G.H. Kruse**, R.S. Otto, B. Sainte-Marie, T.C. Shirley, and D. Woodby (editors). *Crabs in cold water regions: biology, management, and economics*. University of Alaska Sea Grant, AK-SG-02-01, Fairbanks.
- Zheng, J., and **G.H. Kruse**. 2002. Assessment and management of crab stocks under uncertainty of massive die-offs and rapid changes in survey catchability. Pages 367-384 *in* Paul, A.J., E.G. Dawe, R. Elnor, G.S. Jamieson, **G.H. Kruse**, R.S. Otto, B. Sainte-Marie, T.C. Shirley, and D. Woodby (editors). *Crabs in cold water regions: biology, management, and economics*. University of Alaska Sea Grant, AK-SG-02-01, Fairbanks.
- National Research Council. 2002. *Effects of trawling and dredging on seafloor habitat*. National Academy Press, Washington, D.C. 126 p.
- Rosenkranz, G.E., A.V. Tyler, and **G.H. Kruse**. 2001. Effects of water temperature and wind on recruitment of Tanner crabs in Bristol Bay, Alaska. *Fisheries Oceanography* 10: 1-12.
- Zheng, J., **G.H. Kruse**, and D.R. Ackley. 2001. Spatial distribution and recruitment patterns of snow crabs in the eastern Bering Sea. Pages 233-255 *in* G.H. Kruse, N. Bez, A. Booth, M.W. Dorn, S. Hills, R.N. Lipcius, D. Pelletier, C. Roy, S.J. Smith, and D. Witherell

(editors). Spatial processes and management of marine populations. University of Alaska Sea Grant, Report AK-SG-01-02, Fairbanks.

- Fu, C., T.J. Quinn, II, and **G.H. Kruse**. 2000. Analyses of harvest strategies for pandalid shrimp populations. *Journal of Northwest Atlantic Fishery Science* 27: 247-260.
- Kruse, G.H.**, L.C. Byrne, F.C. Funk, S.C. Matulich, and J. Zheng. 2000. Analysis of minimum size limit for the red king crab fishery in Bristol Bay, Alaska. *North American Journal of Fisheries Management* 20: 307-319.
- Zheng, J., and **G.H. Kruse**. 2000. Recruitment patterns of Alaskan crabs and relationships to decadal shifts in climate and physical oceanography. *ICES Journal of Marine Science* 57: 438-451.
- Zheng, J., and **G.H. Kruse**. 2000. Rebuilding probabilities under alternative rebuilding strategies for eastern Bering Sea Tanner crab. *Alaska Fishery Research Bulletin* 7: 1-10.
- Zhou, S., and **G.H. Kruse**. 2000. Modifications of cod pots to reduce Tanner crab bycatch. *North American Journal of Fisheries Management* 20: 897-907.
- Zhou, S., and **G.H. Kruse**. 2000. Capture efficiency and size selectivity of two types of pots for red king crabs in the Bering Sea. *Alaska Fishery Research Bulletin* 6(2): 94-103.
- Kruse, G.H.**, and J. Zheng. 1999. Are changes in Bering Sea crab and groundfish populations related? Pages 143-148 *in* Ecosystem approaches for fisheries management. University of Alaska Sea Grant Report 99-01, Fairbanks.
- Zheng, J., and **G.H. Kruse**. 1999. Evaluation of harvest strategies for Tanner crab stocks that exhibit periodic recruitment. *Journal of Shellfish Research* 18: 667-679.
- Collie, J.S., and **G.H. Kruse**. 1998. Estimating king crab abundance from commercial catch and research survey data. Pages 73-83 *in* G.S. Jamieson and A. Campbell, editors. Proceedings of the North Pacific Symposium on Invertebrate Stock Assessment and Management. Canadian Special Publication of Fisheries and Aquatic Sciences 125.
- Kruse, G.H.** 1998. Salmon run failures in 1997-1998: A link to anomalous ocean conditions? *Alaska Fishery Research Bulletin* 5(1): 55-63.
- Rosenkranz, G.E., A.V. Tyler, **G.H. Kruse**, and H.J. Niebauer. 1998. Relationship between wind and year class strength of Tanner crabs in the Southeastern Bering Sea. *Alaska Fishery Research Bulletin* 5(1): 18-24.
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T H E S E S

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- Ph.D.      A simulation of English sole (*Parophrys vetulus*) recruitment mechanisms.
- M.S.      Relationships between shelf temperatures, coastal sea level, the coastal upwelling index, and English sole (*Parophrys vetulus*) spawning activity off Oregon.

*Effects of climate and gadid predation on red king crab population dynamics in Alaska.* Oral presentation. Oral presentation. Ecosystem Studies of Sub-arctic Seas Open Science Meeting, Seattle, Washington, May 24, 2011.

*Welcoming address and Concluding Remarks.* Oral presentations, Ecosystems 2010: Global progress on ecosystem-based fisheries management, International Symposium, Anchorage, Alaska, November 8, 2010.

*Climate and population dynamics of North Sea herring.* Oral presentation, Alaska Chapter, American Fisheries Society, Annual Meeting, Juneau, Alaska, November 4, 2010.

*What are the implications of climate change on Alaska fisheries?* Invited plenary presentation, Alaska Chapter, American Fisheries Society, Annual Meeting, Juneau, Alaska, November 3, 2010.

*Climate forcing of North Sea herring population cycles.* Oral presentation, Annual Meeting of the North Pacific Marine Science Organization (PICES), Portland, Oregon, October 26, 2010.

*Climate cycles and population dynamics of North Sea Herring.* Oral presentation at the Fisheries Division Seminar, University of Alaska Fairbanks, Juneau, April 23, 2010.

*Successful Rebuilding of the Bristol Bay Stock of Red King Crabs.* Oral presentation at the Fisheries Division Seminar, University of Alaska Fairbanks, Fairbanks, March 31, 2010.

*Analysis of minimum size limit for eastern Bering Sea Tanner crab fisheries: Presentation to the Alaska Board of Fisheries.* Oral presentation to the Alaska Board of Fisheries, Anchorage, March 16, 2010.

*Factors leading to stock collapse of Kodiak red king crabs and their failure to recover.* Oral presentation, Interagency Crab Research Meeting, Anchorage, December 16, 2009.

*What will our fisheries and oceans look like in 20 years?* Panel member, Alaska Young Fishermen's Summit, Alaska Marine Advisory Program, Anchorage, December 8, 2009.

*Recovery of the Bristol Bay Stock of red king crabs under a rebuilding plan.* Oral presentation at the ICES/PICES/UNCOVER symposium on Rebuilding Depleted Fish Stocks – Biology, Ecology, Social Science and Management Strategies, Warnemünde, Germany, November 5, 2009.

*Welcome address.* Invited oral presentation at the ICES/PICES/UNCOVER symposium on Rebuilding Depleted Fish Stocks – Biology, Ecology, Social Science and Management Strategies, Warnemünde, Germany, November 3, 2009.

- Factors leading to stock collapse of Kodiak red king crabs and their failure to recover.* Oral presentation, Annual Meeting of the North Pacific Marine Science Organization (PICES), Jeju, Republic of Korea, October 29, 2009.
- The Demise of the Red King Crab Fishery off Kodiak Island, Alaska and its Failure to Recover.* Invited seminar to the National Fishery Research and Development Institute, Busan, Republic of Korea, October, 20, 2009.
- Climate Change and Marine Protected Areas: A Fisheries Perspective from Alaska.* Invited presentation to the Marine Protected Areas Federal Advisory Committee, September 9, 2009, Anchorage, Alaska.
- The Pollock Conservation Cooperative Research Center: 10-year Review of Research.* Presentation to the North Pacific Fishery Management Council, April 1, 2009.
- Concluding Remarks: A Symposium Review.* Symposium on Biology and Management of Exploited Crab Populations under Climate Change, Anchorage, AK, March 13, 2009.
- A Scenario Approach to Forecast Potential Impacts of Climate Change on Red King Crabs in the Eastern Bering Sea.* Symposium on Biology and Management of Exploited Crab Populations under Climate Change, Anchorage, AK, March 12, 2009.
- Welcoming Address.* Symposium on Biology and Management of Exploited Crab Populations under Climate Change, Anchorage, AK, March 10, 2009.
- A Scenario Approach to Forecast Potential Impacts of Climate Change on Red King Crabs in the Eastern Bering Sea.* Oral presentation at department seminar, School of Fisheries and Ocean Sciences, Juneau Center, Juneau, AK, November 14, 2008.
- A Scenario Approach to Forecast Potential Impacts of Climate Change on Red King Crabs in the Eastern Bering Sea.* Oral presentation, 17<sup>th</sup> Annual PICES meeting, Dalian, China, October 24, 2008.
- A Scenario Approach to Forecast Potential Impacts of Climate Change on Red King Crabs in the Eastern Bering Sea.* Oral presentation at the International Symposium on Effects of Climate Change on the World's Oceans, Gijon, Spain, May 21, 2008.
- What Does Climate Change Mean for Fisheries in the North Pacific Ocean?* Invited seminar, University of Hamburg, Institut für Hydrobiologie und Fischereiwissenschaft, Hamburg, Germany, April 30, 2008.
- Overview of Recent and Ongoing Fisheries Research in Alaska: Crabs, Groundfish, Herring, Sharks, and More.* Invited seminar, Institut für Seefischerei, Johann Heinrich von Thünen-Institut, Hamburg, Germany, April 14, 2008.
- Climate Change and its Effects on Fisheries of the North Pacific Ocean.* Invited public lecture to the MidCoast Watersheds Council, Newport, OR. December 6, 2007.

*What does Climate Change Mean for Fisheries of the North Pacific Ocean?* Invited public lecture to the community of Newport, OR. Hatfield Marine Science Center, Oregon State University, Newport, OR. November 11, 2007.

*Recovery of the Bristol Bay stock of red king crabs under a rebuilding plan.* Oral presentation at PICES XVI Annual Meeting, Victoria, BC. November 1, 2007.

*Population dynamics of Alaskan crab populations and relationships to climate change.* Invited seminar at the Hatfield Marine Science Center, Oregon State University, Newport, OR. October 11, 2007.

*The effects of climate change and ocean acidification on living marine resources.* Invited testimony before the U.S. Senate Committee on Commerce, Science, and Transportation, Subcommittee on Oceans, Atmosphere, Fisheries, and Coast Guard, United States Senate, Washington, DC. May 10, 2007.

*What Does Climate Change Mean for Alaska's Fisheries?* Invited public lecturer at the Science for Alaska Series, Centennial Hall, Juneau, Alaska. February 19, 2007.

*Global Warming vs. All-you-can-eat Crab Legs: Are Alaskan Crabs in Hot Water?* Invited speaker at the Bevan Series on Sustainable Fisheries, School of Aquatic and Fishery Sciences, University of Washington. Seattle, WA. January 11, 2007.

*Opening Address.* Oral presentation at the Lowell Wakefield Symposium on Resiliency of Gadid Stocks to Fishing and Climate Change. Anchorage, AK, October 31, 2006. [Invited]

*In the footsteps of Darwin and the Incas.* Oral presentation at department seminar, School of Fisheries and Ocean Sciences, Juneau Center. Juneau, AK. September 15, 2006.

*Pacific herring, red king crab, and spiny dogfish.* Oral presentation at Alaska Sea Grant Program Assessment, School of Fisheries and Ocean Sciences, Fairbanks, AK. September 12, 2006.

*Sustainable Fisheries: Multispecies Management.* Oral presentation at Alaska Sea Grant Program Assessment, School of Fisheries and Ocean Sciences, Fairbanks, AK. September 12, 2006.

*Introduction, Workshop Goal, and Report on Bering Sea Operational Objectives.* Oral presentation and workshop co-facilitator. Presented at PICES International Workshop on Bering Sea Indicators, Seattle, June 1-3, 2006.

*Bering Sea Ecosystem Indicators Workshop.* Oral presentation and workshop facilitator. Presented at Marine Science in Alaska Symposium, Anchorage, January 25, 2006 and at North Pacific Fishery Management Council, Seattle, February 8, 2006.

*Analysis of the Collapse of the Kodiak Red King Crab Fishery.* Oral presentation to commercial fishermen and public. Kodiak, AK. October 26, 2005.

- Evolution of ecosystem-based fishery management.* Oral presentation at PICES XIV Annual meeting, Vladivostok, Russia. October 5-7, 2005 and as a department seminar, School of Fisheries and Ocean Sciences, Juneau Center. Juneau, AK. November 11, 2005.
- Recruitment dynamics of Alaskan crab stocks.* Oral presentation at Annual Meeting of the American Fisheries Society. Anchorage, AK. September 12-15, 2005 and also as a seminar at the Institute of Marine Sciences, UAF. September 7, 2005.
- Perspectives on implementing ecosystem-based fisheries management – evolution or revolution?* Oral presentation at Annual Meeting of the American Fisheries Society. Anchorage, AK. September 12-15, 2005.
- Investigation of the life history and ecology of spiny dogfish, *Squalus acanthias*, in Alaska: A progress report.* Oral presentation at the First International Symposium on the Management and Biology of Dogfish Sharks, Seattle, WA. June 13-15, 2005.
- Recruitment variability of eastern Bering Sea crabs.* Poster presented at GLOBEC Symposium: Climate variability and sub-arctic marine ecosystems. Victoria, BC, May 16-20, 2005.
- Pre-spawning herring migration pattern and environmental variability in Southeastern Bering Sea.* Poster presented at GLOBEC Symposium: Climate variability and sub-arctic marine ecosystems. Victoria, BC, May 16-20, 2005.
- Overview of marine fisheries of Southeast Alaska. Oral presentation at Southeast Alaska Marine Ecosystem Synthesis Workshop, Juneau, AK. March 30-31, 2005.
- The decline of the Steller sea lion in Alaska waters: untangling food webs and fishing nets.* Oral presentation at the AAAS Annual Meeting, Washington, DC. February 18, 2005. [Invited]
- Ecosystem effects on Bering Sea crab populations.* Oral presentation to the Pribilof Islands Collaborative, Anchorage, AK. January 28-30, 2005. [Invited]
- Overview of herring fisheries in the eastern Bering Sea.* Oral presentation to the Pribilof Islands Collaborative, Anchorage, AK. January 28-30, 2005. [Invited]
- Effects of environmental variability on herring spawning in northern Bristol Bay.* Oral presentation to the Pribilof Islands Collaborative, Anchorage, AK. January 28-30, 2005. [Invited]
- Size at maturity of walleye pollock (*Theragra chalcogramma*) in the eastern Bering Sea.* Oral presentation at the Marine Science in Alaska Symposium, Anchorage, AK. January 24-26, 2005.
- Recruitment variation of eastern Bering Sea crabs: Density-dependent, “climate-control”, or “top-down” effects?* Oral presentation at PICES annual meeting, Honolulu, HI. October 19, 2004.

- Management of the data-limited weathervane scallop fishery in Alaska.* Oral presentation at the Lowell Wakefield Symposium on Assessment and Management of Fisheries in Data-limited Situations. Anchorage, AK, October 22, 2003 and as a department seminar, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Juneau, AK, January 30, 2004.
- Overview of Bering Sea Crab stock abundance, management, and research needs.* Oral presentation to Pribilof Islands Cooperative Workshop, Anchorage, AK. January 14, 2004.
- An examination of the maturation of walleye pollock in the eastern Bering Sea in relation to temporal and spatial factors.* Oral presentation at the Marine Science in Alaska Symposium, Anchorage, AK. January 13, 2004.
- Environmental cues for Togiak herring spawning.* Oral presentation at the Marine Science in Alaska Symposium, Anchorage, AK. January 13, 2004.
- Effects of dredging and trawling on seafloor habitat: study results of the National Research Council.* Oral presentation to the North Pacific Fishery Management Council, Anchorage, AK. December 10, 2003. [Invited]
- Opening Address.* Oral presentation at the Lowell Wakefield Symposium on Assessment and Management of Fisheries in Data-limited Situations. Anchorage, AK, October 22, 2003. [Invited]
- Three-stage catch-survey analysis applied to blue king crabs.* Oral presentation at the Lowell Wakefield Symposium on Assessment and Management of Fisheries in Data-limited Situations. Anchorage, AK, October 23, 2003, and presented at the School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Juneau, AK, October 31, 2003.
- Related changes in crab and groundfish abundances in the eastern Bering Sea.* Oral presentation at the Annual Meeting of the American Fisheries Society, Quebec City, Quebec, August, 12, 2003, and presented at the School of Fisheries and Ocean Sciences, University of Alaska Fairbanks, Juneau, AK, September 26, 2003.
- Untangling food webs and fishing nets: results of the National Research Council's study of the Alaska groundfish fishery and Steller sea lions.* Oral presentation at the School of Fisheries and Ocean Sciences, University of Alaska Fairbanks. February 7, 2003. Also, presented to the North Pacific Fishery Management Council, December 4, 2002 in Anchorage and an updated version was presented on January 27, 2003 in Seattle. Also, presented to the NPFMC's Reasonable and Prudent Alternative Committee, June 24, 2003 in Seattle. [All invited presentations]
- Spatial and recruitment patterns of eastern Bering Sea crabs.* Poster at annual meeting of the North Pacific Marine Science Organization (PICES), October 21-25, 2002, Qingdao, China, and at the Annual Meeting, Alaska Chapter, American Fisheries Society, October 21-24, 2002, Girdwood, Alaska.

*Effects of dredging and trawling on seafloor habitat: study results of the National Research Council.* Oral presentation at the School of Fisheries and Ocean Sciences, University of Alaska Fairbanks. September 20, 2002.

*Crab populations are controlled by climate-mediated variability.* Oral presentation to Oceans and Watersheds Conference, June 18-19, 2002, Anchorage. [Invited presentation]

*Effects of water temperature and wind on recruitment of Tanner crabs in Bristol Bay, Alaska,* Poster at the annual meeting of the North Pacific Marine Science Organization (PICES), October 15-19, 2001, Victoria, British Columbia.

*Stock-recruitment relationships for Alaskan crab stocks.* Poster at annual meeting of the North Pacific Marine Science Organization (PICES), October 15-19, 2001, Victoria, British Columbia.

*Groundfish fisheries and the Endangered Steller sea lion: A new era in fisheries management in Alaska.* Oral presentation to at Alaska Department of Fish and Game, and UAF School of Fisheries and Ocean Sciences, and general public. August, 2001, Juneau.

*Overview of North Pacific ecosystem and fisheries.* Oral presentation to the National Academy of Sciences, Committee on ecosystem effects of fishing, June 1, 2001, Anchorage. [Invited]

*Steller sea lions and the Alaska groundfish fishery.* Oral presentation to the Maurice Lamontagne Institute, Department of Fisheries and Oceans, April 15, 2001, Mont-Joli, Quebec. [Invited]

*Retrospective length-based analysis of Bristol Bay red king crabs: model evaluation and management implications.* Oral presentation at the Lowell Wakefield CRAB2001 Symposium, January 19, 2001, Anchorage. [Invited]

*Climate Fluctuations and Dynamics of Alaskan Crab Populations.* Oral presentation at the PICES Annual Meeting, October 20-28, 2000, Hakodate, Japan.

*Insights into Alaskan Crab Population Dynamics.* Oral presentation at the School of Fisheries and Ocean Sciences, University of Alaska Fairbanks. January 28, 2000.

*A Rebuilding Plan for St. Matthew Island Blue King Crabs.* Oral presentation to the Alaska Board of Fisheries, Anchorage, March 17, 2000, and the North Pacific Fishery Management Council, April 10-14, 2000.

*Overview of Alaskan Crab and Scallop Fisheries.* Oral presentation at the Alaska Region Workshop on Fishing Gear Impacts on Habitat, January 25, 2000, Auke Bay. [Invited]

*Plans for Scallop Dredge Fishing Impact Studies.* Oral presentation at the Alaska Region Workshop on Fishing Gear Impacts on Habitat, January 25, 2000, Auke Bay. [Invited]

*Managing crab fisheries in a changing environment.* Oral presentation at the Exxon Valdez Trustee Council Annual Restoration Meeting, January 18-19, 2000, Anchorage. [Invited]

*Analysis of Minimum Size Limit for the Red King Crab Fishery in Bristol Bay, Alaska.* Oral presentation at the American Fisheries Society, Annual Meeting, August 30-September 2, 1999, Charlotte, NC, and at the American Fisheries Society, Alaska Chapter Annual Meeting, November 9-11, 1999, Kodiak.

*Perspectives of Crab Stock Declines.* Oral presentation to the Board of Directors, Alaska Marine Conservation Council, October 22, 1999, Juneau. [Invited]

*History and Development of the Scallop Fishery in Alaska.* Oral presentation to the "Workshop on the Effects of the Alaska Scallop Fishery on Weathervane Scallop Population Dynamics and Benthic Community Structure," June 10, 1999, Kodiak.

*Stock and Fishery History and Current Status of Tanner crabs in the Eastern Bering Sea.* Oral presentation to the Alaska Board of Fisheries, March 18, 1999.

*Review of Harvest Strategies for Tanner Crabs with Proposed New Harvest Strategies for the Eastern Bering Sea, Kodiak, Chignik, and South Peninsula Tanner Crab Fisheries.* Oral presentation to the Alaska Board of Fisheries, March 18, 1999, Anchorage.

*Relationships among Crabs, Environmental Change, and Groundfish in the Bering Sea.* Oral presentation at the UAF Ecosystem Research Planning Workshop, January 17-18, 1999, Fairbanks, and at the NPFMC Ecosystem Committee Meeting, January 21, 1999, Anchorage. [Invited]

*Implications of Recent Climate Changes on Salmon and Crabs in the Bering Sea.* Oral presentation at the FOCI International Workshop on Recent Conditions in the Bering Sea, November 9, 1998, Seattle. [Invited]

*Relationships between Crabs and Groundfishes in the Eastern Bering Sea.* Oral presentation at Lowell Wakefield Symposium on Ecosystem Considerations in Fisheries Management on September 30, 1998, Anchorage.

*Decadal-scale climate shifts and relationships to crab recruitment.* Oral presentation at the Annual Meeting, Alaska Chapter, American Fisheries Society, November 18-20, 1997, Juneau.

*Relationships between Crabs and Groundfishes in the Eastern Bering Sea.* Oral presentation at American Fisheries Society Meeting in Hartford, CT, on August 27, 1998.

*Unraveling Relationships between Marine Environments and Fish Recruitment: A Review of Approaches, Pitfalls, and Potential Solutions.* Oral presentation at the PICES Annual Meeting, October 18-25, 1997, Pusan, Korea.

*Recruitment Patterns of Alaskan Crabs as Related to Environmental Conditions.* Oral presentation at the ICES Recruitment Symposium, September 22-24, 1997, Baltimore.

*Biological Reference Points for Red King Crabs in Alaska.* Oral presentation at the Lowell Wakefield Crab Symposium, Anchorage, October 1995.

- Biological Reference Points for Weathervane Scallops in Alaska.* Oral presentation at the Annual Meeting, Alaska Chapter, American Fisheries Society, Wasilla, November 14-16, 1995 and to North Pacific Symposium on Invertebrate Stock Assessment and Management, Nanaimo, British Columbia, March 1995.
- Alaska's Developing Fisheries for Marine Invertebrates.* Oral presentation at the Annual Meeting, Alaska Chapter, American Fisheries Society, Sitka, November 1994.
- Size-sex-season Crab Management in Alaska: Panacea, Placebo or Plunder?* Oral presentation at the Annual Meeting, Alaska Chapter, American Fisheries Society, Fairbanks, November, 1993 and to Annual National Meeting, American Fisheries Society, Portland, Oregon, September 1993.
- The Alaskan Scallop Fishery and Its Management.* Oral presentation at the Ninth International Pectinid Workshop, Nanaimo, British Columbia, April 1993.
- Alaskan Crab Management in 1999: Getting Back to Basics.* Oral presentation at the Annual Meeting, Alaska Chapter, American Fisheries Society, Valdez, Alaska, November 1992.
- Biological Perspectives on Crab Management in Alaska.* Oral presentation at the International Symposium on Management Strategies for Exploited Fish Populations, Anchorage, Alaska, October 1992.
- Increasing Efficiency and Effectiveness of Alaska's Shellfish Management Program despite Budget Limitations and Reductions in Quality of Fishery Data.* Oral presentation at the Annual Meeting, North Pacific International Chapter, American Fisheries Society, Vancouver, British Columbia, March 1989. [Invited]
- Economic Importance of Alaska's Commercial Fisheries.* Oral presentation at the Annual Meeting, Alaska Chapter American Fisheries Society, Juneau, Alaska, November 1988.
- The Search for Linkages between Oceanographic Conditions and Fishery Productivity: The English Sole Case.* Oral presentation at the Annual Meeting, Oregon Chapter, American Fisheries Society, Corvallis, February 1983.
- A Simulation Model of the English sole (Parophrys vetulus) Recruitment Process.* Oral presentation at the Annual Meeting, Oregon Chapter, American Fisheries Society, Kah-Nee-Ta, Oregon, January 1982.
- Influence of Physical Factors on the English sole (Parophrys vetulus) Spawning Season.* Oral presentation at the Western Groundfish Conference, Gleneden Beach, Oregon, November 1981.