

Curriculum Vitae (07/11/2018)

General Information

Name: Albert C. Hine, Ph.D., Professor Emeritus
 Employer: University of South Florida (USF), College of Marine Science
 St. Petersburg, FL 33701

<u>Institution</u>	<u>Field of Study</u>	<u>Degree</u>	<u>Date</u>
Dartmouth College	Geology	B.A.	1967
University of Massachusetts/Amherst	Geology	M.S.	1973
University of South Carolina/Columbia	Geology	Ph.D.	1975

Employment

Military Service, 1st Lt. USAF, (1969-1972; USAF.
 Duke University, Durham, North Carolina: Department of Geology, Adjunct Assistant Professor (1978-1980)
 University of North Carolina at Chapel Hill: Institute of Marine Sciences, Visiting Research Associate (1975-1977); Research Assistant Professor (1977-1979); Department of Geology, Adjunct Assistant Professor (1978-1979)
 University of South Florida: Department of Marine Science / College of Marine Science, Assistant Professor (1979-1982); Associate Professor (1982-1987); Professor (1987-2017); Associate Dean (2002-2011); Professor Emeritus (2017-present)

Areas of Specialization

Geologic processes and products of shallow marine sedimentary environments; Development, history, stratigraphy, sedimentation of carbonate platforms; Coastal geology, coastal wetlands; Sequence stratigraphy, interpretation of seismic reflection data; Seafloor mapping/interpretation

Research Cruise Experience: Chief scientist or co-chief scientist on 80 research cruises including chosen Co-Chief Scientist on Ocean Drilling Program's *JOIDES Resolution*, Leg 182; Great Australian Bight; sailed as scientist Leg 194.

Grants: \$11.17 million as PI or co-PI from USGS, ONR, NSF, USDOE, NOAA

Honors

Awarded American Spirit Honor Medal by the Citizens Committee for the Army, Navy, and Air Force for "outstanding qualities of leadership"; March 1969; Distinguished Graduate, USAF Officer Training School; commissioned 2nd Lt, August 1969
 Outstanding Assistant Professor, 1982, College of Natural Sciences, University of South Florida
 Joint Oceanographic Institutions (JOI) Distinguished Lecturer 2005-2006 (9 universities)
 Society of Sedimentary Geology (SEPM) **Francis P. Shepard Medal for Sustained Excellence in Marine Geology**
 UNOLS Fleet Improvement Committee 2006-2102 (competitive opening on committee)
 Distinguished Alumni Award, Dept. of Geosciences University of Massachusetts-Amherst 2011
 Associate Editor: *Marine Geology, Geology, Journal of Sedimentary Geology*

Selected Reviewed Publications Since 2005 (from ~150 total since 1975; H index = 42)

- Haller, C., Smith, C.G., Hallock, P., Hine, A.C., Osterman, L.E., and McCloskey, T., 2018, Distribution of modern salt marsh foraminifera from the eastern Mississippi Sound; *Journal of Foraminiferal Research*.
- Haller, C., Hallock, P., Hine, A.C., and Smith, C., 2018, Benthic foraminifera from the Carnarvon Ramp reveal variability in Leeuwin Current activity (Western Australia) since the Pliocene; *Marine Micropaleontology*, Volume 142, p. 25-39; <https://doi.org/10.1016/j.marmicro.2018.05.005>
- Locker, S., Reed, J., Farrington, S., Harter, S., Hine, A., Dunn, S., 2016, Geology and Biology of the “Sticky Grounds,” Shelf-Margin Carbonate Mounds, and Mesophotic Ecosystem in the Eastern Gulf of Mexico. *Continental Shelf Research*. V. 125, p. 71-87, <http://dx.doi.org/10.1016/j.csr.2016.06.015>
- Hine, A.C., Chambers, D., Clayton, T. Hafen, M., Mitchum, G., 2016, *Sea Level Rise in Florida: Science, Impacts, and Options, 2016: Gainesville, FL, University Press of Florida, 179p.*
- Mallinson, D. J., Hine, A.C., Naar, D., Locker, S.D., and Donahue, B., 2014, New perspectives on the geology and origin of the Florida Middle Ground "reefs", West Florida Shelf, USA: *Marine Geology*, v. 355, p. 54.-70.
- Hine, A.C., 2013, *The Geologic History of Florida—the Major Events That Shaped the Sunshine State: Gainesville, FL; University Press of Florida, 229p.*
- Hine, A.C., and Locker, S.D., 2011, The Florida Gulf of Mexico continental shelf—great contrasts and significant transitions, in, Buster, N.A., and Holmes, C.E., eds., *Gulf of Mexico: Volume 3, Geology*, Harte Research Institute for Gulf of Mexico Studies, Texas A&M University Press, p. 101-127.
- Hickey, T.D., Hine, A.C., Shinn, E.A., Kruse, S.F., and Poore, R.A. (2010) Pleistocene Carbonate Stratigraphy of South Florida: Evidence for High-Frequency Sea-Level Cyclicity. *Journal of Coastal Research*: Vol. 26, No. 4, p. 605-614.
- Hine, A.C., Halley, R.B., Locker, S.D., Jarrett, B.D., Jaap, W.C., Mallinson, D.J., Ciembronowicz, K. T., Ogden, N.B., Donahue, B.T., and Naar, D.F., 2009, Coral Reefs, Present and Past, on the West Florida Shelf and Platform Margin, *In* Riegl B. M., Dodge R.E., eds., *Coral Reefs of the USA*. Springer, p. 127-173.
- Hine, A.C., Suthard, B., Locker, S.D., Cunningham, K.J., Duncan, D.D., Evans, M., and Morton, R.A., 2009, Karst Subbasins and Their Relation to the Transport of Tertiary Siliciclastic Sediments on the Florida Platform, *In* Swart, P.K.; Eberli, G.P., And McKenzie, J.A. (eds.), *Perspectives in Sedimentary Geology: A Tribute to the Career of Robert N. Ginsburg*, International Association of Sedimentologists Special Publication, 41, p. 179-197.

- Kindler, P., and Hine, A.C., 2009, Ooids, the paradox, *In*, Swart, P.K., Eberli, G.P. and McKenzie, J. A., (eds.), *Perspectives in Sedimentary Geology: A Tribute to the Career of Robert Nathan Ginsburg*, International Association of Sedimentologists Special Publication, 41, p. 113-122.
- Cronin, T., Edgar, N.T., Brooks, G. Hastings, D., Larson, R., Hine, A., Locker, S., Suthard, B., Flower, B., Hollander, D., Wehmiller, D., Willard, and Smith, S., 2007, Sea-Level Rise in Tampa Bay, EOS., v., 88, no. 10, p. 117-118.
- Wood, N., and Hine, A.C., 2007, Spatial trends in marsh sediment deposition within a microtidal creek system, Wacasassa Bay, Florida: *Journal of Coastal Research*, v. 23, p. 823-833.
- Jarrett, B.D., Hine, A.C., Halley, R.B., Naar, D.F., Locker, S.D., Neumann, A.C., Twichell, D., Hu, C., Donahue, B.T., Palandro, D., and Jaap, W.C., 2005, Strange bedfellows—A deep hermatypic coral reef superimposed on a drowned barrier island; southern Pulley Ridge, SW Florida Platform margin: *Marine Geology*. v. 213, p. 297-305.
- Wright, E. E., Hine, A.C., Goodbred, S.L., and Locker, S.D., 2005, The effect of climate and sea-level change on the development of a low-energy, mixed siliciclastic/carbonate, deltaic coastline: Suwannee River, FL: *Journal of Sedimentary Research*, v. 75, p. 621-635.
- Other:** 33 graduate students as major advisor (11 as PhD); advised 4 post docs; served on 75 other graduate student committees
- Presentations:** 205 to professional meetings; additional 95 to general public since 1975