

November, 2000

SHORT CURRICULUM VITAE

LAWRENCE WILLIAM CRISSMAN

Born 1940 in Cedar Rapids, IA, USA. Married with two adult children. US and Australian Citizenship.
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POSITIONS:

Associate Professor, School of Asian and International Studies, Griffith University, 1996 to present.
Director, Australian Centre of the Asian Spatial Information and Analysis Network. (ACASIAN), School of Asian and International Studies, Griffith University, 1994 to present. (Director manqué 1992-1993.)
Lecturer / Senior Lecturer, School of Modern Asian Studies and Faculty of Asian and International Studies, Griffith University, 1978 to 1984 / 1985 to 1995.
Instructor / Assistant Professor of Anthropology and Associate in the Center for Asian Studies, University of Illinois at Urbana-Champaign, 1969 to 1973 / 1974 to 1977.

DEGREES:

Cornell University, Ithaca, New York, 1964-66; 1968-69: Ph.D in Anthropology (Minors in Physical Anthropology and Asian Studies - China), May 1973.
State University of Iowa, Iowa City, Iowa, 1962-64: B.A., with Honors, in Chinese Language and Civilization (Minor in Anthropology), June 1964.

GEOGRAPHICAL INFORMATION SYSTEM (GIS) SPATIAL DATA PRODUCTION:

Commercial Data Sets (shrink wrapped, distribution by ERSIS Australia Pty. Ltd. and MapInfo resellers):

'High Resolution Provincial Boundaries and Capitals of China' (33 of each), April 1995.
'High Resolution Municipality and Prefectural Boundaries and Capitals of China' (approx. 350), April 1995.
'High Resolution County and Municipal Boundaries of China' (approx. 2,400), April, 1995.
'Official Cities and other Prefectural and County Capitals of China' (approx. 2,400), April 1995.
'High Resolution Two-Digit Postal Code Zone Boundaries of the PRC' (approx. 70), November 1996.
'Six-Digit Postal Codes for Official Cities and Towns of the PRC' (approx. 12,500), November 1996.

Research Databases available to the SIASA and SIIRCEASA Consortia (major ones, only):

'County-level (ADM3) Administrative Divisions for the 1990 PRC Census.' 1994.
'Language Atlas of China Spatial Databases,' 1994. Preliminary.
'Land-use Map of China Spatial Databases – Administrative Boundaries, Cities, Towns, Roads, and Railroads,' 1994.
'Land-use Map of China Spatial Databases - Land-use Polygons (165,000),' 1996, finalised in 2000.
'The Complete ADM1-3 Administrative System of the Former Soviet Union as of the 1989 Census at 1:1m Scale,' 1995. Prepared in conjunction with the Department of Cartography, Institute of Geography, Russian Academy of Sciences. Includes The Russian Federation and all other Newly Independent States, consisting of Estonia, Latvia, Lithuania, Belarus, Ukraine, Moldavia, Georgia, Armenia, Azerbaijan, Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, and Turkmenistan.' 1997.
'Land-use Map of China Spatial Databases – 1:1m Dense Hydrography.' 1997, finalised in 2000.

Research Databases created for ACASIAN (last five years):

'Administrative Divisions for the PRC: County-level and some Urban Districts, for years 1980 to 1999,' 1997-2000 (Updated yearly).
'South East Asian Administrative Divisions and Capitals: ADM1-3 for Myanmar (Burma), and ADM1 for Thailand, Laos, Cambodia, and Vietnam.' 1997.
'China Transport Network: Roads, Rails, and Navigable Waterways at 1:1m Scale,' 1997. Finalised in 2000.
'China Official Cities and Towns (latter as of 1990 census). 1999 Finalised.
'China Low Resolution Datasets: 1996 and 1997 Provincial Boundaries and Integrated Major Rivers and Lakes, Navigable Waterways, Grand Canal, and Great Wall.' 1998.
'East Timor Datasets: ADM 1-2 Administrative Divisions and Capitals, Other Towns, Roads, and Elevations'. 1999.
'North Korea Datasets: ADM1&2 Administrative Divisions and Capitals; ADM3 Admin. Seats, Highways and Local Roads, and Railroads.' 2000.
'South Korea Datasets: ADM1&2 Administrative Divisions and Capitals and ADM3 Urban Districts.' 2000.
'South Asia Administrative Divisions and Capitals: ADM1-3 for Bangladesh and Nepal: ADM 2 for Bhutan and Sri Lanka.' 2000.
'Language Atlas of China Spatial Databases,' 2000. Final 'A' Series Maps.
'Mindanao ADM1-3 Administrative Divisions and Capitals.' 2000

RECENT PUBLICATIONS (last five years):**Co-Authored Monographs;**

Stern, Aaron, and Lawrence W. Crissman, Maps of International Borders between Mainland Southeast Asian Countries and Background Information Concerning Population Movements at these Borders. Bangkok (TH): The Asian Research Centre for Migration, Institute of Asian Studies, Chulalongkorn University, 1998.

Singhasivanon, P. (Corresponding Author), et. al., 1999, 'Mekong Malaria: Malaria, Multi-Drug Resistance and Economic Development in the Greater Mekong Subregion of Southeast Asia, Incorporating Geographical Information Systems Databases.' Southeast Asian Journal of Tropical Medicine and Public Health, Volume 30, Supplement 4. Crissman is one of approximately forty co-authors, but contributed the spatial data foundation for the GIS malaria analysis.

Book Chapters and Articles in Refereed Academic Journals:

'Application of Geographical Information Systems to Co-Analysis of Disease and Economic Resources: Dengue and Malaria in Thailand,' Southeast Asian Journal of Tropical Medicine, Vol. 29, No. 4 (December, 1998), pp. 669-686.

Articles in Technical Journals:

'Design and Implementation of Historical Dimensions in the SIIASA/China GIS Project Databases', with Paul Yates. GIS User: The Australasian Geographic Information Systems Applications Journal, No. 9 (November 1994-January 1995), pp. 54-56.

Published Conference Papers:

'Issues and Techniques for Spatial Data Generation' and 'Problems in Determining Land Use/Cover Change from Vector Data,' Proceedings of IGU-LUCC'97: Information Bases for Land Use/Cover Change Research (Brisbane, July 1-4, 1997), 1997, pp. 1-6 and 152-155, respectively

'The Joint Sustainable Rural Systems and Land Use Cover Change Sessions – Discussant Commentary' and 'Is There Enough Arable Land to Sustain Further Development in China?,' Proceedings of the Joint Conference of the IGU Commission for the Sustainability of Rural Systems and Land Use/Cover Change Study Group: Sustaining Rural Systems in the Context of Global Change (Armidale, July 5-12, 1997), 1998, pp. 235-237 and 293-303, respectively.

'GIS and Coding: Marking –up Databases, Images, and Texts,' Proceedings, 1999 EBTI, ECAI, SEER, & PNC Joint Meeting (Taipei, January 18-21, 1999), 1999, pp. 195-202.

TEN BEST CAREER PUBLICATIONS

- 'The Segmentary Structure of Urban Overseas Chinese Communities,' Man (n.s.), Vol. 2, No. 2 (June 1967), pp. 185-204.
- 'Marketing on the Changhua Plain, Taiwan,' in W. E. Willmott ed., Economic Organization in Chinese Society, Stanford, CA: Stanford U. Press, 1972, pp. 212-259.
- 'The Segmentary Structure of Urban Overseas Chinese Communities,' reprinted in City Ways: A Selective Reader in Urban Anthropology, John Friedl and Noel J. Chrisman, eds. New York: Thomas Y. Crowell Company, 1975, pp. 274-297.
- 'Specific Central-Place Models for an Evolving System of Market Towns on the Changhua Plain, Taiwan,' in Carol A. Smith, ed., Regional Analysis, Volume I (Economic Systems), New York: Academic Press, 1976, pp. 183-218.
- 'Spatial Aspects of Marriage Patterns as Influenced by Marketing Behaviour in Southwestern Changhua Hsien, Taiwan,' in Carol A. Smith, ed., Regional Analysis, Volume II (Social Systems), New York: Academic Press, 1976, pp. 123-148.
- 'A Discussion of Ethnicity and Its Relations To Commerce', Southeast Asian Journal of Social Science, Vol. 5, Nos. 1-2 (1977).
- 'The Structure of Local and Regional Systems', in Emily M. Ahern and Hill Gates, eds., The Anthropology of Taiwanese Society, Stanford, Stanford UP, 1981, pp. 89-124.
- 'The Segmentation and Integration of the Chinese in Brisbane, Australia,' with George Beattie and James Selby, Journal of Comparative Family Studies, Vol. 16, No. 2 (Summer 1985), pp. 181-203. Reprinted in Family, Kinship, and Ethnic Identity among the Overseas Chinese, University Press of America, 1995, pp. 181-203.
- 'Multiple Identities: The Southeast Asian Chinese in Australia,' Journal of Comparative Family Studies, Vol. 32, No. 1 (Spring 1991), pp. 25-37.
- 'The Physical and Ethnic Geography of East and Southeast Asia,' in Colin Mackerras, ed., Eastern Asia: An Introductory History. Melbourne: Longman Cheshire, 1992, pp. 7-29; revised for Chapter Three in Colin Mackerras, ed., Eastern Asia (Second Edition), Melbourne, Longman Cheshire, 1995, pp. 16-39, also published as East and Southeast Asia: a Multidisciplinary Survey, Lynne Rienner, 1995, pp. 16-39.

RESEARCH AND INFRASTRUCTURE GRANTS (last five years – 1990-1994 total \$1,230,000):

- 1995 \$23,000 – Griffith University/Industry Collaborative Research Grants Scheme, for 'Development and Marketing of Spatial Data Sets Containing Administrative Boundaries, Postal Codes, and Attribute Information for the PRC' with ERSIS Australia Pty. Ltd. who contributed \$13,000 to the total.
- 1995 \$60,000 – Major Research Facilities Fund, Griffith University, for 'Infrastructural Requirements and Research Support Position for the Australian Centre of the Asian Spatial Information and Analysis Network (ACASIAN).'
- 1995 \$100,000 – ARC Research Infrastructure (Equipment and Facilities) Program, for 'Spatial Information Infrastructure for Russian and Central Euro-Asian Studies in Australia (SIIRCEASA): Continuation and Elaboration,' on behalf of a consortium of nine UNS institutions lead by Griffith University.
- 1995-96 \$261,000 – ARC Research Infrastructure (Equipment and Facilities) Program for 'Spatial Information Infrastructure for Asian Studies in Australia (SIIASA): Historical Developments and Environmental Changes,' on behalf of a consortium of twenty-two UNS institutions lead by Griffith University.
- 1996 \$35,000 – Major Research Facilities Fund, Griffith University, for 'Infrastructural Requirements and Research Support Position for the Australian Centre of the Asian Spatial Information and Analysis Network (ACASIAN).'
- 1996 \$30,000 – Logical Solutions, for 'Support for Research Activities of the Australian Centre of the Asian Spatial Information and Analysis Network, (ACASIAN).'
- 1999 \$8,558 – ARC Small Grant, for 'Preliminary investigation of land use change on the North China Plain: remote sensing, geographical information systems, and ground truth observations.'
- 2001-03 \$110,381 – Associate Investigator in ARC Large Grant for 'Regional analysis of Soviet agricultural development, its natural determinants and changes in its ability to support the population, 1880-2000.' Chief Investigator is S. Wheatcroft and Partner Investigator is A. Zerger, both at U. of Melbourne.

MAJOR CONSULTANCIES (last five years):

- 1996-97 \$26,000 – Environmental Research Institute of Michigan, 'Collaboration on a National Level Assessment of Cultivated Lands in China.'
- 1997 \$50,000 – Pasco, Japan, 'Cambodian Land Use Vectorisation.'
- 1997 \$10,000 – Atlas Publications, Perth, 'China Roads Spatial Data.'
- 1998 \$23,000 - Institute of Industrial Science, University of Tokyo, 'Collaboration on Asian Spatial Databases.'
- 1998 \$15,000 – Electronic Cultural Atlas Initiative, Berkeley, 'GIS Applications.'
- 1999 \$7,000 – Environmental Systems Research Institute, Redlands, CA, 'Myanmar (Burma) Administrative System GIS.'
- 1999 \$30,000 – Environmental Systems Research Institute, Redlands, CA, 'China Administrative System GIS.'
- 1999 \$1,500 – South East Asian Ministers of Educations Tropical Medicine Network, Bangkok, Th 'South East Asian and South China GIS data development.'
- 1999 \$23,000. – Environmental Systems Research Institute, Redlands, CA, 'North Korean GIS datasets.'
- 2000 \$80,000 – Environmental Systems Research Institute, Redlands, CA, 'China land use, roads, and hydrography GIS datasets.'
- 2000 \$5,500 – Hebei World Trade Center, Shijiazhuang, Cn, 'China administrative and transport datasets.'
- 2000 \$4,800 – Digital Data Services, Karlsruhe, Ge, 'USSR GIS datasets.'
- 2000 \$4,500 – Network Technologies, Scottsdale, AZ, 'China urban postcode zones.'
- 2000 \$4,300 – Harvard Map Collection, Cambridge, MA, 'North Korea Datasets.'
- 2000 \$3,000 – Tokyo Cartographic Company, Tokyo, Jp, 'Southeast South Asian and China Datasets.'
- 2000 \$3,000 – China Online, Chicago, IL, 'China map web pages development.'
- 2000 \$3,700 – Under \$1,000 each, combined.

RESEARCH HIGHER DEGREE COMPLETIONS (last five years):**Ph.D Completions**

- 1996 Kenneth Junqi DONG
2000 Veny Lee (Submitted revised thesis 07/09/00)

Mphil Completions

- 1995 Fan CHEN

Honours, First Class

- 1997 Simone Dennis

PROFESSIONAL SERVICE AND CONTRIBUTIONS:

- China in Time and Space (CITAS) Project: Policy and Planning Committee, 1993-1994.
- Electronic Cultural Atlas Initiative (ECAI) – ACASIAN is a Primary ECAI Centre: Leader of GIS Technical Team, 1998-2000; Present Member of Caucasus Atlas Team, China Atlas Team, Southeast Asian Atlas Team, and Boundaries and Territory Thematic Team.

China Historical GIS Project (CHGIS): Member of Steering Committee, 2000.