

PROVINCIAL GEOLOGISTS MEDALIST 2001

MARK FEDIKOW

The Provincial Geologists Medal is awarded to recognize major contributions in the area of geoscientific research and related developments or applications that serve to meet the mandate of Canada's provincial and territorial geological surveys. Each Survey may nominate a candidate each year, and an external national selection committee representing industry, academia and the GSC chooses the recipient from the pool of nominees. For 2001, the winner of the Provincial Geologists Medal was Mark Fedikow of the Manitoba Geological Survey, a division of the Department of Industry, Trade and Mines. The citation below was read by Jean-Louis Caty, sous-ministre associé aux Mines, ministère des Ressources naturelles, during the presentation at the 58th annual Energy and Mines Ministers Conference in Québec City, September 10, 2001. Mark was unfortunately not able to attend the presentation in Québec City in person, so the medal was formally awarded to him at the Manitoba Mines and Minerals Convention in Winnipeg on November 16, by Hon. MaryAnn Mihychuk, Minister of Industry, Trade and Mines.

Citation

Dr. Mark Fedikow has worked as an exploration geochemist and mineral deposits geologist for the Manitoba Geological Survey for 20 years. Mark is an internationally recognized leader in the development and application of multi-media litho-geochemical surveys in support of mineral exploration in both Precambrian and Phanerozoic terrains in Manitoba. His diverse research background includes pioneering studies of rock alteration and multi-media geochemistry in support of gold and base metal exploration and the statistical analysis of regional, multi-media geochemical data sets.

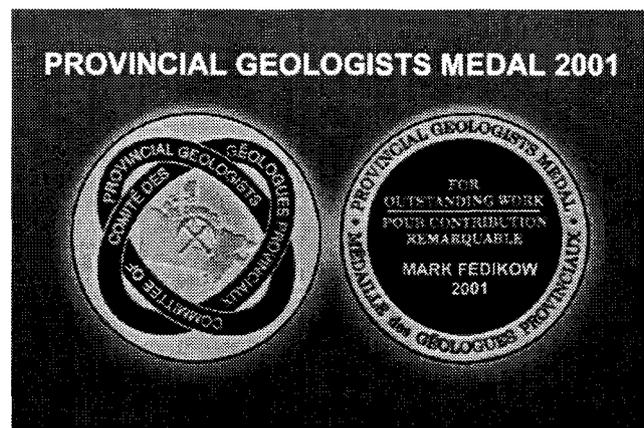
Most recently, he and his colleagues in the Manitoba Geological Survey have expended a tremendous effort towards the completion of a detailed, multi-media geochemical and diamond indicator mineral survey in the under-explored and remote parts of the northwestern



Dr. Mark Fedikow, recipient of the Provincial Geologists Medal from the Honourable Hon. MaryAnn Mihychuk, Minister of Industry, Trade and Mines, Manitoba. The citation, included here, was read by Jean-Louis Caty, sous-ministre associé aux Mines, ministère des Ressources naturelles, during the presentation at the 58 annual Energy and Mines Ministers Conference in Québec City.

Superior Province in Manitoba. This project encapsulates Mark's dedication to leading, rather than following, the exploration of the Province's mineral endowment. This effort has resulted in a major diamond staking rush in northeast Manitoba, as well as enhanced gold and base metal exploration in the region.

Mark's work is always based on extensive and solid field investigation. He has developed techniques proven to be effective in Manitoba's



Obverse and reverse images of the 2001 Provincial Geologists Medal.

diverse terranes, providing the exploration industry with new tools in the search for unexplored mineral deposits. Although primarily a geochemist, Mark also has a solid mapping background that has proven essential in placing geochemical anomalies in a geological context.

Mark has demonstrated a keen insight into the processes that concentrate metals in the crust. His scientific curiosity has made him instrumental in the discovery of many new mineral occurrences, including mineral deposit types new to Manitoba. For example, Mark designed and oversaw collaborative studies with the Geological Survey of Canada, the University of Manitoba and Birch Mountain Resources Ltd. on the recently discovered Prairie-type microdisseminated mineralization hosted by Paleozoic carbonates.

This nomination recognizes Mark's prolific publication record, characterized by innovative and timely reports that have found wide acceptance in both the mineral exploration industry and the research community. Of the more than 150 publications he has completed, 11 are in refereed journals and special volumes and a fur-

ther 41 are technical reports. The 75 presentations he lists include numerous PDAC, CIMM and GAC/MAC events as well as several visits to International Geochemical Symposia.

One of Mark's greatest assets is his ability to communicate his knowledge and ideas to a wide range of people. Mark maintains a relentless enthusiasm for new mineral discoveries. This, more than any other factor has allowed him to become the principal contact within the Manitoba Geological Survey for the exploration community. Mark is an effective and recognized teacher, and has done an admirable job in communicating his comprehensive knowledge of a wide range of mineral deposit types and exploration techniques through short courses and field trips. He is a patient teacher to many student geological assistants and has acted as a supervisor to undergraduate and graduate university theses.

Mark Fedikow exemplifies the expertise and enthusiasm that exists within provincial geological surveys across the country and is truly a worthy recipient of the 2001 Provincial Geologists Medal.