

lakes. Transient characters of fresh-water lakes in general. Questions as to the effects of dredging channels in outlets, also as to rain-fall and evaporation in effecting the levels. Present and future effects of the low water effects on navigation and commerce. Means of relief. Experiments in damming lakes. Possibility and advantage of damming the outlets of some of the great lakes. Conclusions.

*Geracus Tubifer. A New Thysanuran of the Little River Group, St. John, N.B.* By G. F. Matthew, D. Sc.

This anomalous insect is referred to the Thysanurans because the joints of the thorax are separated, and there are no wings, and because of the uniformity of adjoining somites. The head is reduced to a small conical projection, terminating in a prolonged tube or proboscis. Apparently the nearest ally is a tube-bearing, few-jointed (aquatic?) insect found by Dr. S. H. Scudder in the Oligocene beds of Florissant, which he has referred to the Thysanurans. The reduction of the head to little else than a sucking tube is not easily paralleled among these lower insects, and gives the head somewhat the appearance of that of a weevil. The fossil is from a bed which has already yielded a large number of insect remains.

*Coal Mining in Pictou County, N.S.* By E. Gilpin, Jr., LL.D.

The paper gives the principal facts in connection with the pioneer workings carried on by the Grand Mining Association in this county, the dates of the various finds, workings, railway construction, etc.

*On the Sequence of Strata Comprised in the South-west quarter-sheet Map of the Eastern Townships of the Province of Quebec, and their palaeontological relations.* By Henry M. Ami, M.A., F.G.S., of the Geological Survey of Canada. Communicated by Dr. R. W. Ells, F.R.S.C.

The recent investigations of Dr. Ells, of the Canadian Geological Survey, in the "South-west Quarter-sheet Map of the Eastern Townships of the Province of Quebec," serve to throw a great deal of new light upon the various problems involved in that district on which so much has already been written. As the strata in question are highly fossiliferous, and the numerous fossils collected serve as excellent material with which to ascertain the sequence and age of the strata in these disturbed regions, the results thus far obtained will be discussed and the various faunas and zones indicated.