



Combinatorial Potlatch

(An informal meeting of Combinatorialists from B.C.
and the Puget Sound area.)

Saturday, March 5, '83

Library Presentation Room, Western Washington University
Bellingham, Wash. Map and parking on the reverse side.)

Program:

10:30 a.m. Coffee and Cookies. Presentation Room.

11:00 "An interplay among Graph Theory, Geometry and
Computational Complexity"

Martin Tompa, Computer Science Dept., Univ. of Wash.

We can derive tight bounds on the complexity of certain natural functions by using tools from Graph Theory (for example, the number of Hamiltonian paths) and from Geometry (i.e., the number of connected components). Conversely, efficient algorithms can be used to derive new facts about convexity.

12:00 noon Lunch at the Student Union Building.

1:30 "Groups, Graphs, and Surfaces"

Henry Glover, Mathematics Dept., Ohio State Univ.
Presently on leave at Univ. of British Columbia.

A Kuratowski theorem for the general surface is used to give a new proof of the Heawood Theorem. Realizing a finite simple group as the full automorphism group of a closed Riemann surface of lowest genus is also discussed.

(Call John Reay, Western Wash. Univ., (206)676-3785 for further information.)

I-5 North
 ← Vancouver
 ← Exit #252
 ← Samish Way
 ← I-5 - South - Seattle →



From I-5, take exit 252, marked 'Samish Way, W.W.U.'. About 200 feet north of the freeway, along Samish Way is a major intersection. Turn left onto College Parkway. You may park free on Saturday in any lot numbered 'P' or 'G'. It is a short walk across campus to the Library Presentation room.

Lunch will be available at the 'Commons' in the Student Union building, which is a very short walk from the Library. No reservations are required, there is a fine view over Bellingham Bay and into Canada (on a clear day). The cost will be about \$2.65 per person payable as you go to eat.