

The Dalhousie women's volleyball team is excited about their prospects for the season. With some top talent returning and great rookie potential, the women will once again be going to number one.

Key returning players will be fourth-year setter Lori Welsh, who led the team's offense consistently for the past two seasons. Three-time AUAA All-Star Sandra Rice is back for her fifth year and will be a strong contender for AUAA Player of the Year. April Delorme is back for her second year after an outstanding performance for Nova Scotia at the Canada Games. Suzanne Dittmer is now entering her third season and will provide strong front-court play for the Tigers. Second-year Deanne Delvallet proved to be one of the team's top power hitters last season, and this year will look to dominate the AUAA in her position. Sylvia Colley returns to help the Tigers with an all-round strong game. Cathy Bill is the team spark plug and will lead the Tigers on and off the court.

Some key rookies include Christine Frail, who is just coming off a year's training with the National Team. Her height and superior skills will be a huge asset to the Tigers squad. Christine McCreery is another first-year with great potential. Her height (6 foot even) and Canada Games experience will give the Tigers a strong middle blocker. To add to the height of the black and gold this season, Ann Schumacher

♀'s Volleyball

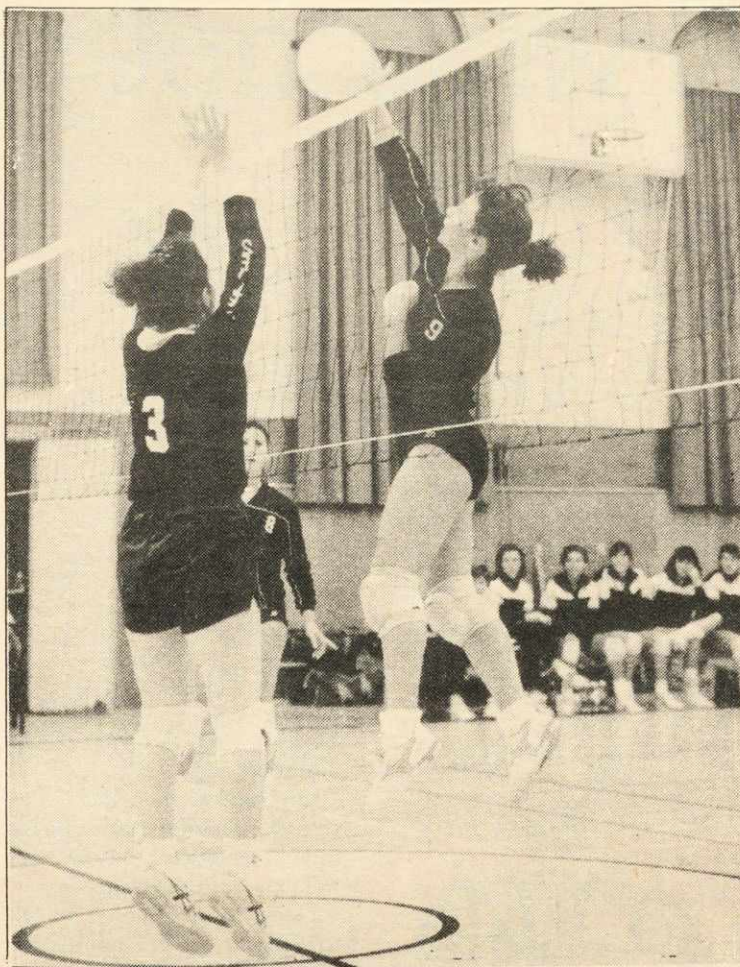


photo: Paull Grandy

will back up the middle position and Natalie Kennie should be a strong substitution all around.

Season highlights will be the annual Dalhousie Classic in January as well as the McMaster

Opening in the New Year. These tournaments, along with the Moncton Invitational, should prepare the Tigers for a strong performance in the AUAA Championships at Mount Allison.

Shootin' hoops this weekend

by Stephanie McLean

The Dal Tigers Women's Basketball team took on Laurentian on the weekend. Laurentian, the number one team in the country on paper, won the series 2-1.

However, Dal beat Laurentian on Sunday, 53-51, in an intense physical game at the Studley Gym.

This coming weekend, November 10 - 12, the Fifth Annual Centennial Basketball Tournament takes place at the Dalplex.

This year, eight teams are taking part in the three day tournament. AUAA representatives will include Acadia, UNB, Saint Mary's and the very competitive Dal and UPEI squads.

Travelling in from out of conference, to round out the tournament are McGill, McMaster and Western.

Tournament schedule:
 Friday, Nov. 10 2:30 - 8:30
 Saturday, Nov. 11 2:30 - 8:30
 Sunday, Nov. 12 9:00 - 3:00

Special events are also scheduled for the tournament:

Thursday, November 9: Six-foot sub and pop at the Dalplex, 12:30. Grawood night 'prizes.'

Friday, November 10: T-shirts on sale in SUB. "Cheer for Pizza" night.

Saturday, November 11: Black and Gold day. 50-50 draw during Dal game.

Sunday, November 12: Final game. 50-50 draw during Dal game.

So come out and cheer for your team, maybe even win a prize. Tickets can be bought at the door.

$$\frac{1}{1+a} + \frac{1}{1+b} + \frac{1}{1+c} + \frac{1}{1+d} > t.$$

Also find the largest such t.

Solution to Q7: Let $f(a,b,c,d) = \frac{1}{1+a} + \frac{1}{1+b} + \frac{1}{1+c} + \frac{1}{1+d}$; the question asks for the minimum value of this function. As n goes to infinity the function $f(1/n, 1/n, 1/n, n^3) \rightarrow 1$. Note that, if two values, say a and b, are fixed and we take n to be a positive integer, then $f(a,b,c,d) \geq f(a,b,c/n,nd)$ (straightforward but tedious). Applying this result (the function is symmetric in a, b, c, and d) gives $f(a,b,c,d) \geq f(1/n, 1/n, 1/n, n^3)$. Therefore $t = 1$.

This week's question:
Question 8: (From Dr. A.C. Thompson) Let $O(n)$ be the number of odd digits in the decimal representation of a number. Find $O(2^1)/2^1 + O(2^2)/2^2 + O(2^3)/2^3 + O(2^4)/2^4 + \dots$

Solutions and Winners

Question 7: The numbers a, b, c, d, are positive real numbers and $abcd=1$. Prove that for all such a, b, c, and d there are positive real numbers t such that...

Brain Teasers...

Sponsored by The Math Society. Editor, Dr. Richard Nowakowski. The first correct solution handed in to Dr. Nowakowski, Dept. of Mathematics, Statistics and Computing Science, Room 304, Chase Building, will be awarded a loonie (\$1) prize and a certificate. Prizes can be picked up from my office Thursday or Tuesday. The winner and solution will be printed in the following issue of the Gazette. (Faculty are not eligible for prizes, although correct solutions will be acknowledged.)

Weekend wrap-up

by Brian Lennox

Cross Country

Lucy Smith has won the CIAU cross country title for the second consecutive year.

The CIAU championships were held at UBC last Sunday. Smith won in a time of 16:45, 20 seconds ahead of the next competitor. Smith once again earned all Canadian honours for her efforts.

Overall, the Dalhousie women's team placed sixth against some very tough competition.



We love Lucy!

Men's Basketball

The men's basketball team was on the road in Ottawa this past weekend.

On Thursday night the Tigers beat Queen's at the Kingston, Ontario, campus. On Friday and Saturday, they participated in the Ottawa Gee Gee Invitational.

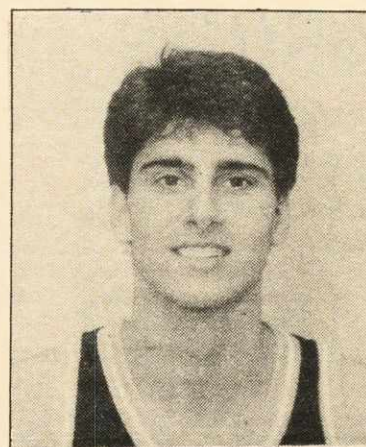
On Friday, the Tigers lost to the Waterloo Warriors 74-67. In the consolation game on Saturday, Dal easily beat Carleton University Ravens 102-88. Individually, Dean Thibodeau earned all-star honours at the Ottawa tournament, scoring 37 points and grabbing 23 rebounds in two games.



Women's Basketball

The Dalhousie Tigers women's basketball team completed a three-game series over the weekend against Laurentian University. While the Tigers won only one of three games, the team and coaching staff have to be pleased. Laurentian is one of the best teams in the country.

On Friday night, the Tigers lost 61-57 in Tatamagouche. Laurentian played really well on Saturday, beating Dal 73-46. Sunday at Studley gym, the Tigers won a tight, low-scoring effort 53-51. These games were good preparation for this weekend's fifth annual Centennial tournament.



All-Star, Dean Thibodeau

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