

EXPANSION YES, DOMINANCE NO

'Fish farming's future limited'

by MICHAEL BERNARD
VANCOUVER (CP) — Aquaculture's future is bright, but it is unlikely the world will come to depend on fish farming more than traditional fishing methods, even in 100 years, says a British expert.
"Up to the year 2000, aquaculture is well set to expand and diversify," Peter Hjul, editorial director of the London-based magazine Fish Farming International, said this week.
"But we should not run away with the idea that it is going to add enormously to world supplies of fish and shellfish, nor that in the next 12, 50 or 100 years aquatic farming will replace aquatic hunting as a prime source of fish protein."
Aquaculture now accounts for about 10 per cent of the world's annual fish catch of 92 million tonnes, Hjul told about 500 delegates at the opening day of the four-day Aquaculture International convention.
When fish farming began in the early 1970s, some scientists predicted an aquaculture harvest of up to 25 million tonnes. But Hjul said 15 million to 16 million is a more realistic figure.
"Thus fish capture will remain the dominant supplier, although farming will be the major earner in some countries."
Hjul, who has been writing on aquaculture since 1948, said fish raised in anchored seawater pens may even boost existing traditional catches.
"In Alaska alone, 19 public and

18 private hatcheries took in 1,338 billion salmon eggs last year," he said. "From earlier releases, hatcheries are estimated to have accounted for 16 million returned fish, 18 per cent of Alaska's harvest."
Hjul said there is concern that prices may not keep up as the production of farmed fish increases.
"So far the marketing effort by Norway and now Scotland has kept the fish moving and the price at a level profitable for farmers," he said. "But it has fallen behind inflation."
"Without the farm supply, wild Atlantics (salmon) might well be selling in Britain for nine pounds (about \$19 Cdn) or more a pound."
Hjul said one of the greatest feats of aquaculture is that "it has brought one of the finest of eating fish (salmon) to thousands of people who once would have found it priced beyond their reach."
"I believe there is still room in the markets for more salmon, although the jump in supply this year may hit prices."
Although Pacific fish-farming areas have enjoyed phenomenal growth in the last 10 years, hitting \$200 million in investment in British Columbia, Hjul sees slower future growth here than elsewhere.
"As we know the farmed fish is being introduced into markets already supplied by a capture haul of around 750,000 tonnes a year," he said.
"The markets are there and established and I doubt if farming

in the immediate future will do much more than even out supplies in down periods for hunted salmon."
But there are other possibilities for Pacific fish-farmers, such as selling fish to feed fish, he said, noting it takes five tonnes of fish to make a tonne of fish meal.
Hjul said some critics of aquaculture, including commercial fishermen concerned about disease spreading to wild stocks and residents worried about fish farms sullifying picturesque settings, can be strident, unreasonable and ill-informed.
"But others are well-considered and show sympathy for aquaculture while urging constraint on unrestricted development," he said. "This gives farmers and their associations a chance to co-operate with their critics to curb pollution and make sure they fit into their surroundings."
"This is not always easy but the future of intensive farming will depend on it just as much as it will depend on the advances in technology, finding the right feeds, avoiding or curing diseases and opening up markets."

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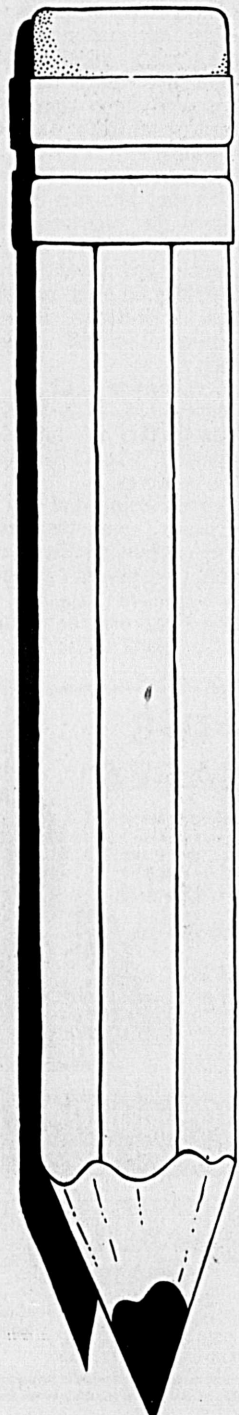
Inflation warning from IMF

PARIS (AP) — The economies of Canada, the United States and other industrial countries are booming this year and governments should be ready to hit the brakes if inflation shows signs of heating up, the International Monetary Fund says.
The fund's latest semi-annual World Economic Outlook, prepared in mid-August, has been distributed to member governments but is not to be made public until later this month. A copy was obtained by the AP-Dow Jones News Service.
It says IMF economists now anticipate a real, or inflation-adjusted growth rate of 3.8 per cent among industrial countries in 1988, compared with a 2.8-per-cent increase projected in April.
They say the fast pace of the current expansion — at six years old the longest since the Second World War — is likely to moderate in 1989 to 2.8 per cent, slightly up from their April estimate of 2.6 per cent.
After a robust 4.0-per-cent growth this year, Canada's real Gross National Product is expected to subside to 3.1 per cent in 1989, the new report says.
In the United States, real GNP is expected to rise 3.9 per cent this year, slowing to 2.7 per cent in 1989.
Japan's real GNP is expected to expand by 5.8 per cent in 1988, slowing to 4.2 per cent in 1989. Both figures are revised sharply upward from the fund's April projections of 4.1 per cent and 3.8 per cent.
GNP growth rates among other industrial countries include: West Germany, 2.3 per cent this year and 1.8 next; Britain's 3.2 and 2.2; France 2.9 and 2.4, and Italy 3.0 and 2.4 per cent.
The IMF believes that consumer prices in the industrial world will rise by 3.2 per cent in 1988, accelerating to 3.5 per cent next year.



NOTICE IS HEREBY GIVEN that a Hearing with regard to an Application for Development Permit will be held in the City Hall Council Chambers, 1100 Patricia Boulevard, Prince George, B.C. on Monday, September 19th, 1988, at 8:00 p.m.
Development Variance Permit No. 195
To waive the requirements of Section 10 - 10.3 (3) (b) of Zoning By-law No. 3482 to reduce rear yard setback from 6.0M to 2.44M in connection with proposed construction on Lot 77, District Lot 2608, Cariboo District Plan 19520.
Applicant: Donald & Judith McPhail
Location: 260 Bellos Street
A copy of the Application, Draft Permit and related documents may be inspected at the office of the undersigned on any normal business day (except Statutory Holidays) between the hours of 8:30 a.m. to 12:00 noon and 1:00 p.m. to 5:00 p.m. At the hearing all persons who deem their interest in property may be affected by the proposed Permit shall be afforded an opportunity to be heard on matters pertinent to the Permit.
In order to be included in the Council Agenda, written objections or petitions, if any, should be delivered to the City Clerk no later than 5:00 p.m. on the Wednesday immediately preceding the Hearing.
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