

Enemies at war share philosophies

For centuries people have been fighting wars, and one professor is finding that those who organize the battles often have similar philosophies — even when they have opposing backgrounds.

That's what Richard Bradshaw Angell, professor of philosophy at Wayne State University is studying.

"What's really an issue today in the question of war and peace is the philosophical questions of war seem to resemble one another," Angell said.

ANGELL, A resident of Birmingham, was recently awarded a small grant from the Peter Gran Research Foundation, to work on his book "Philosophies of Peace and War: A Book of Readings."

"I would like to see more funds available for research," he said.

His book, which he expects to complete by late 1983, focuses on the philosophers and thinkers who planned war.

"It isn't bombs that make wars. It's people's ideals," he said.

The book is a series of readings to show how different concepts and attitudes toward peace and war are based upon different ethics and alternative world views.

"THERE ARE 28 selections in the book that start with Moses and go to Plato, Aristotle, Jesus and Augustine. It ends with Woodrow Wilson and Gandhi as the peacemakers and Hitler and Mussolini," he said.

Through his studies, Angell said, he has seen some progress in world leaders' trying to find ways to settle disputes.

He has also found that attitudes supporting nuclear war are very similar to those attitudes held by Jesus.

"It's crucial to find out whether or not certain philosophies and world views prevail throughout the world that put a value on war," he said.



Richard B. Angell
ideals make wars

Hormones won't function without key molecule

ATP, an energy-rich molecule found in cells, appears to be necessary if the powerful steroid hormones are to generate proper responses, an Oakland University researcher has discovered.

Biologist Virinder K. Moudgil of Avon Township says that in preliminary tests in his laboratory, the female hormones estrogen and progesterone failed to function properly in systems that lacked or were artificially depleted of ATP.

Moudgil has won three-year grant funds of \$254,000 from the National Institute of Health to continue his research on "Interaction of Nucleotides and Steroid Hormone Receptors" and "Activation of Steroid Hormone Receptors."

HORMONAL regulation is necessary for fertility, growth and development, and the provision of energy and nutrients for cell function, Moudgil explains.

Hormonal imbalance or a defect in the regulatory mechanisms that control hormone dependent functions can lead to severe physiological disturbances. Nearly one-third of all cervical and breast cancers develop in response to elevated levels of estrogen, Moudgil says.

The researcher first gained national prominence

in the mid-1970s while at the Mayo Clinic when he and fellow scientist David Tott reported that steroid hormone receptors in the cell could act as enzymes in the activation of cell responses to steroid hormones, an observation that had not been made previously.

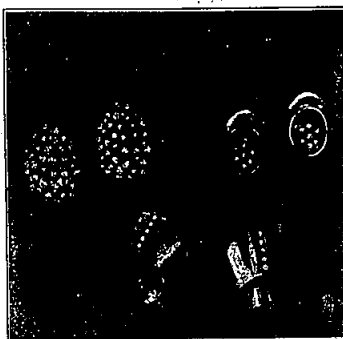
MOUDGIL SAYS his previous studies have suggested this involvement of enzymatic processes during the hormone-receptor activation that utilize ATP.

Previous studies were performed on crude preparations since a pure receptor was unavailable. Now he is going to purify estrogen and progesterone receptors from their environment, and their interaction with ATP will be studied in isolation to see if the pure form of receptor still needed ATP or any other molecules for its activity.

Preliminary results from his, and other laboratories, have shown that these hormones failed to function properly or generate biological responses in isolated cells that were artificially depleted of ATP, Moudgil reports.

Moudgil says that one of the most rapidly advancing fields in the biological sciences is the area of endocrinology. It is the study of the regulation and integration of the organ systems of the body by chemical substances called hormones.

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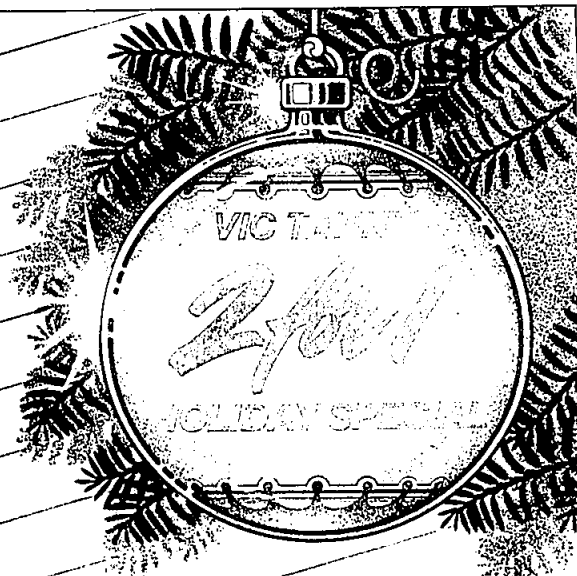
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