

Torrance Adventists To Attend Conferences

Youth activities and press relations officers of Torrance Seventh-day Adventist Church, 1610 Acacia St., will attend conferences in Los Angeles and the San Bernardino Mountains this weekend.

Pathfinded youth club leaders of the local church will leave Friday for a three-day conference at Cedar Falls Camp in the Barton Blais area of the San Bernardino Mountains.

Youth leaders attending the meet are: John Dillon, 4713 Laurette St., Torrance; Mrs. Marilyn Biggs, 1030 E. Turmont St., Gardena; Mrs. Enid Thorsen and son Steve Thorsen, 826 W. 130th St., Gardena; and Don Swinson, 1330 S. Gertruda Ave., Redondo Beach.

At the youth leadership conference top western U.S. and Southland Adventist youth activities directors will present addresses. Plans for operation of the 30-member local church's Pathfind-

er youth club will also be discussed at the session.

On Sunday, Jan. 13, Mrs. Jean Getner, 1604 W. 224th St., Torrance, press relations director of the Torrance Adventist Church, will attend a day-long conference on methods of better press relations. The session, beginning at 9 a.m., will be held at White Memorial Adventist Church in downtown Los Angeles.

The church press relations director, in addition to studying more effective methods of working with the press, will hear addresses by Mr. C. A. Oliphant, instructor in journalism at La Sierra College, Arlington, California; Alvin C. Munson, Glendale, executive director of the Southern California Conference of Seventh-day Adventists; and J. Orville Iversen, Glendale, public relations director of the Pacific Union Conference of Seventh-day Adventists.

Fresh Hope Rises in Search For Clues to Cancer Origin

Seeking the answer to cancer has brought recently-reported findings which offer fresh hope that experiments with tumor-causing viruses may yield vital clues to the origin of human cancers.

The key question in cancer formation is how a normal cell goes bad — how it changes into a tumor cell.

Scientists at California Institute of Technology are seeking the answer to that question under a grant from the March of Dimes.

In their research on the effect of viruses on cells over the years, the Caltech scientists have been led from studies with viruses which attack bacteria, to work with animal and human viruses such as polio, and now they are engaged in test-tube culture experiments with polyoma virus which causes tumors in rodents.

Polyoma studies for human cancer are not just academic. Whether or not human cancers are caused by viruses, understanding how polyoma virus changes cells can shed light on the nature of malignant transformation, whatever the cause.

The characteristic action of familiar viruses like polio, influenza, measles, and vaccinia is to injure and kill the cells they invade. That's how they cause disease and sometimes death.

But tumor viruses don't destroy host cells. When they attack, the cell multiplies with abnormal rapidity and in a senseless way, building up tumors.

The Caltech scientists have discovered that there are stages in the process by which cells are altered under the influence of viruses.

When the scientists infect test tube cultures of cancer cells with polyoma virus, the cells "transform" into something abnormal. This is detectable in the strange way in which the cells grow.

Normal cells grow in a smooth, single layer in the glass tube. Transformed cells grow in heaped-up, disorderly piles. Individual cells look different.

When these transformed cells were inoculated into adult hamsters, tumors formed.

Significantly, no trace of the virus which caused the transformation could be found in the altered cells. It looked as though the virus had changed the character of the cells and then disappeared from the scene.

Further investigation showed it was possible to isolate from infected cultures, cells which might be described as half-way transformed.

The early type do not produce cancer when transplanted into adult hamsters. These findings indicate that transformation takes place in steps. They suggest that the virus may be present only up to a certain point in early stages and that the cells can go on multiplying abnormally even in the absence of virus.

One of two things probably happen.

On the one hand, the virus may change the genetic material of the cells, acting as an agent of mutation in much the same way as radiation and certain chemicals induce cancer.

Or, he suggests, the virus may be incorporated into the genetic material of the cells where it is undetectable but where it can be carried for generations and continue to exert its evil influence.

This process is known to occur in certain types of infections by bacterial viruses.

Strenuous investigation of both possibilities will be conducted under the March of Dimes grant. The objective is to gain new understanding of how viruses take over control of the functions of the cells they attack... a basic problem in biology.

Make A Hit With Cocoa-Almond Pie



When it's time for a party at your house, "Cocoa-Almond Party Pie" will guarantee its success.

The creamy chocolate filling floats on a bed of finely-chopped almonds in this elegant chilled dessert. To give it extra flair, you might top the pie with dollops of whipped cream encrusted with crisp toasted almond halves.

Whether chopped, halved, diced, sliced or whole, crunchy almonds always provide unique flavor and texture. Use them in poultry stuffings, soups, sandwich fillings and sauces for meat, fish and vegetables.

Cocoa-Almond Party Pie

- 1/2 cup finely-chopped almonds
- 1 baked 8-inch pastry shell
- 1 envelope plain gelatin
- 1/4 cup cold water
- 1/2 cup unsweetened sifted cocoa
- 1 cup sifted powdered sugar
- 1 pint whipping cream
- 1 teaspoon vanilla

Sprinkle almonds into bottom of pastry shell. Soften gelatin in cold water. Dissolve over hot water. Remove from heat. Combine cocoa, powdered sugar, whipping cream and vanilla. Beat until light and fluffy. Gradually beat in dissolved gelatin. When mixture forms stiff peaks, turn into pastry shell. Refrigerate several hours before serving. If desired, garnish with dollops of whipped cream and toasted almond halves.

Makes 1 (8-inch) pie.



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