

Cultural Events

June 13
BLOOMFIELD THEATER—Double feature: "Sir Lancelot and Guinevere," starring Conrad Wolfe and Jean Wallace, and "Billy Budd," starring Peter Ustinov and Robert Ryan.
BIRMINGHAM THEATER—"Matiny on the Bounty," starring Marlon Brando, Trevor Howard, Richard Harris and Hugh Griffith.
JACOBSONS—Exhibition of work by Pablo Picasso at Fine Arts in Jacobs' 325 N. Woodlawn. School beginning at 1 p.m. Tuesday through June 22. Hours are from 9:30 a.m. to 5:30 p.m. Monday through Saturday and until 9 p.m. on Thursdays.
CRANBROOK GALLERIES—Annual summer show of work by students of the Cranbrook Academy of Art; will run through mid-September. Also, in the Young People's Art Center Galleries, annual student summer show; will run through mid-September. Gallery hours are 2 to 5 p.m. daily except Mondays and major holidays. Admission charge.
LITTLE GALLERY—Show of gallery regulars including Clifford McChesney, Glen Michaels, Ken Wynzma, Joseph DeFrancisco and pottery by the Natzlers at the Little Gallery, 515 E. Maple, Birmingham. Hours are 9 a.m. to 6 p.m. daily except Sundays and Mondays.
BRIDGE—Birmingham Duplicate at the YMCA, 400 E. Lincoln, Birmingham, beginning at 7:45 p.m. Open to the public.
June 14
HOOTENANNY—South Oakland County folk singers will stage a "hootenanny" at the North Oakland YMCA, 839 S. Crooks Road, beginning at 8 p.m. Tickets available at the door.
ST. DUNSTAN'S—The St. Dunstan's Guild will present "The Devil's Advocate," a dramatization of the novel by Morris L. West, in the Cranbrook Greek Theater, beginning at 9 p.m.
June 15
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June 16
BIRMINGHAM ART CENTER—Opening of Festival Exhibition and Artists Market with reception at the Birmingham Art Center, 1516 S. Cranbrook Road, beginning at 4 p.m. Gallery hours throughout the festival will be 10 a.m. to 8 p.m.
CHILDREN'S AND COMMERCIAL ART EXHIBITS—Exhibitions of children's and commercial art work in Shain Park tents. Open all day and during intermissions of "dome" shows throughout the festival. No admission charge.
SYMPHONY—Performance by the South Oakland Symphony at 8 p.m. in the Shain Park Dome.
CARILLON RECITAL—Dr. Philip Steinhaus will give a recital on the Kirk-in-the-Hills carillon at 4 p.m.
BRIDGE—Southern Hills Bridge Association Winners' game at the Birmingham YMCA, 400 E. Lincoln, Birmingham, beginning at 9:30 p.m.
June 17
DANCE AND FILM—In Shain Park dome at 8 p.m. There will be a "Choreographers' Workshop" contemporary dance performance and a showing of the film, "Carteige Hall."
SHAKESPEARE—Trip to Stratford, Ont., for the Village Women's Club to see "Comedy of Errors."
BRIDGE—Birmingham Duplicate at the Birmingham Community House, beginning at 7:45 p.m. Open to the public.
June 18
COMBO CONTEST—In Shain Park dome there will be a "Combo Clash" with local combos competing for prizes, beginning at 8 p.m.
BRIDGE—Tuesday Birmingham Duplicate at the home of Hilda Murphy, 2424 Manchester, Birmingham, beginning at 7 p.m. Open to the public.
June 19
COIN AUCTION—The Birmingham-Bloomfield Coin Club will hold a formal auction during their meeting at the Birmingham Community House beginning at 7:30 p.m. Open to the public.
AUTOMOBILE DESIGN DEMONSTRATION—Principles of automobile design will be shown in Shain Park tent at 2 p.m. Open to public.
BRIDGE—The Birmingham-Bloomfield Area Bridge Club at the YMCA, 400 E. Lincoln, Birmingham, beginning at 7:45 p.m. Open to the public.
June 20
HOUSE-STUDIO TOUR—Arts Festival House and Studio Tour from 11 a.m. to 5 p.m., beginning at the Birmingham Art Center.
MUSICAL—Opening night of original Himelboch-Coffin musical, "The High Cost of Loving," in the Shain Park dome. Curtain time 14 8:30 p.m.
OAKLAND UNIVERSITY ART GALLERY—Opening of exhibit, "European Graphics II." Will run through July 15. Hours are noon to 4 p.m. Monday through Friday.
BRIDGE—Birmingham Duplicate at the YMCA, 400 E. Lincoln, Birmingham, beginning at 7:45. Open to the public.
June 21
CRAFTS DEMONSTRATION—Youngsters will demonstrate crafts they learned in Birmingham Recreation Dept. classes last summer. The demonstrations will take place from 1 to 4 p.m. in Shain Park tent.
CHILDREN'S PLAY—The Vanguard Players Children's Theatre will present "King Midas and the Golden Touch" in the Shain Park dome at 2 p.m.
MUSICAL—Performance of new Himelboch-Coffin musical "The High Cost of Loving" in the Shain Park dome. Curtain time is 8:30 p.m.
MUSICAL—Opening night of original musical comedy by Mrs. Charles Reeder, "A Day to Remember, Always," in the Troy High School Auditorium, as part of the Troy Arts Festival. Curtain time is 8:30 p.m.
June 22
INTERNATIONAL FOLK DANCING—American Field Service exchange students "and friends" will present international folk dances in Shain Park at 1:30 and 9:30 p.m.
MUSICAL—Performance of new Himelboch-Coffin musical "The High Cost of Loving" in the Shain Park dome. Curtain time is 8:30 p.m.
TROY ARTS FESTIVAL—Official opening ceremony of the Troy Arts Festival at the Troy High School beginning at 1 p.m. Festival includes exhibition of works by Southeastern Michigan artists plus special exhibits by newspaper photographer Troy Spina, architectural photographer Baltasar Korab and architect Minoru Yamasaki as well as "Shakespearean" exhibit by the Cranbrook Young People's Art Center under the direction of Glen Michaels; there will also be an Artists Market on the high school grounds and arts and crafts demonstrations—all between 1 and 5 p.m., plus performance of original musical "A Day to Remember, Always" at 8:30 p.m. in the Troy High School.
June 23
TROY ARTS FESTIVAL—Continuation of festival exhibition, special exhibits and demonstrations from preceding day, plus puppet show at 2 p.m. and square dancing at 3 p.m.
MUSICAL—Last performance of original Himelboch-Coffin musical "The High Cost of Loving" in the Shain Park dome. Curtain time is 8:30 p.m.

Groups Unite to Produce Festival

By IRMA DAVIS
 Staff Writer

"It would be impossible for the Birmingham Arts Festival to achieve its community-wide scope and impact without the cooperation of cultural organizations, business groups and city government participation," says a festival chairman Robert McLean.

"AMONG THE prominent cultural organizations contributing is the Bloomfield Art Association, which sponsors the Festival each year and bears responsibility for the festival," he noted.

The BAA, composed of about 700 area residents with interests in the arts, opens its gallery to exhibits of sculpture and the graphic arts. Many of the art works on display reflect work done in classes in all media throughout the year.

Some of the members help on the festival exhibits or work for weeks in various art displays around town, such as the paintings shown in store windows in downtown Birmingham during the festival. Others are on committees that handle awards and arrange for food service at the Birmingham Art Center during festival activities there.

"AND THE contributions by the Village Players and St. Dunstan's Guild to 'The High Cost of Loving in Bloomington' are most notable, as is the appearance of the South Oakland Symphony Orchestra on the first evening of the Festival," McLean said.

"Among the theatrical groups with years of experience in productions consist of members whose aptitudes range from acting and directing to handling publicity and the many other functions involved in putting on a play."

"The High Cost of Loving" is to be presented on June 20, 21, 22 and 23, utilizing these varied talents from three local theater groups—the Birmingham Village Players, St. Dunstan's Guild and the Franklin Village Players.

"THE ADAPTABILITY of participants is demonstrated during rehearsals at the Village Players, home to some but

all of those working on the musical comedy. The knowhow of veteran workers is being successfully coordinated with the varying contributions of those participating in the production for the first time. Cooperation is the keynote. As an example, all of the set painters are affiliated with the Birmingham group and St. Dunstan's. One of them has been active in the former organization for 35 years, others for periods of from 10 to 15 years.

What? Leading Lady Can't Take Being on Stage?

A girl who "can't stand not being on stage" is the way Mrs. Edgard A. Guest III describes herself.

A 1909 graduate of Denison University, she has played Nellie Erbsch in "South Pacific," Ada Annie in "Oklahoma" and Mer Brookie in "Brickwood," all in Denison's semi-professional summer theater.

LAST YEAR SHE was "Gill" for The Pit and Balcony Saginaw community theater.

Pam is now a member of the Screen Actors Guild, has done industrial films for Jam Handy and looks forward to more work in this field, which she enjoys hugely.

She began acting at the age of 6 in her home state of New Jersey progressed to modeling jobs in New York, and at 12 appeared in an off-Broadway production as one of the children in "Annie Get Your Gun."

The younger daughter of two small boys, Pam and her husband, Ed (assistant director of "High Court"), live at 5303 Briarfield Knoll, Birmingham. Last year they became members of St. Dunstan's.

ies working on backstage operations, such as lighting, set design or set construction, have had previous experience as cast members.

The stage manager enlists the services of individuals without backstage experience and also uses the skills of veterans. Young people who have never been on stage are singing along with old-timers in the choral group.

When the curtain goes up for the act, the performers, newcomers are expected to work with old hands on set changes and prop handling.

THE 80-PIECE North Oakland orchestra, which will present a concert Sunday at 8 p.m. in the dome, offers the talents of a group of musicians from local and surrounding areas. The orchestra sponsors young artists and composers and provides an outlet for people who enjoy playing an instrument.

Among those who play in the orchestra are music teachers, doctors, lawyers, salesmen, housewives, architects and engineers, Birmingham area residents in local and surrounding areas. The orchestra sponsors young artists and composers and provides an outlet for people who enjoy playing an instrument.

Presenting this performance, the orchestra is varying from its usual pattern of performing in the Oak Park High School auditorium where admission is based on membership subscription only.

Three of the board members are contributing their efforts to arranging for the local concert.

WORKING WITH the Birmingham School System, one of them—a violinist—helped set up rehearsal accommodations at Sealhorn High School and Denison Junior High School and was able to borrow needed instruments for the concert.

The orchestra is rehearsing twice weekly for its festival appearance.

"IN THE REALM of business groups, we recognize the Ford Tractor Division, which has contributed use of the festival dome for the third successive year," he said.

The Birmingham Chamber of Commerce has played a prominent part in arranging for dome and Shain Park activities.

"General Motors Corp. is loaning ma-

terial for use in Shain Park, and a number of organizations, including Campbell-Ewald, MacManus, John & Adams, and Chrysler Corp. are lending commercial art to be displayed in the park exhibits," said McLean.

"Graves, Sealhorn and Bloomfield Hills high schools are contributing art for the Young People's Art Exhibit," he noted.

"The city of Birmingham is contributing materials and manpower to Shain Park installations, and is giving assistance with installation of decorations in the downtown area while Community House has provided many services, including catering, meeting, rooms and arts and crafts demonstrations to the festival."

Other events of conference day included tours through the art and art education departments and the annual student art exhibit.

You Can Expect Pear-Shaped Tones From This Harris

Pear-shaped tones might be expected from Frank W. Rowland, who plays Harrison Y. Harris, American Distress Credit Corp. vp in The High Cost of Loving in Bloomington."

During the weeks with Cranbrook's summer theater school, he taught speech and diction and did some directing.

For several years, Rowland was a staff announcer with WWJ-Detroit, then an account executive for WJDM-FM.

Now an account executive with the Atlas Film Corp., Rowland, his wife, Marjorie, and four children at 1874 1/2 Saratoga, Lathrup Village.

Here's How They Get Score for Musical

Working from emotion to lyric to music—that's how Dean Coffin describes the production pattern for the score to the Arts Festival musical.

"This is not the way a musician should work, but it's the only way I can work," said Coffin.

"It's funny how usually the song emerges in the mood of the lyric. There's a lot of music locked in the lyric. What the lyric musician does is express this lyric musically—frequently she comes up with what I wanted even though we've never discussed it."

formed these elements into living tissue. Thus the annual growth ring in its heartwood has been widened in a small degree.

And so, in the end, it is the magic of green chlorophyll in the plant cell which is the abiding link between the sun and our own small lives.

NATURE NOW

Process of Photosynthesis Links Our Lives to the Sun

As we noted in last week's column, the important action of photosynthesis or food production in the green world takes place only when the sun shines on the plant's "greenness."

For this process some of the energy of the sun's rays is transformed into sugar and starch by the action of chlorophyll.

Upon these plants and animals must either directly or indirectly feed and grow. Such species as Indian pipe and mushrooms which have no chlorophyll must steal their food from other plants in order to exist.

IN ADDITION the surplus food is stored in the cells of the heartwood. If the plant is a rose or a tulip it is hoarded in a rootstock or a bulb. Food for the next generation of many plants is also stored in the seed.

This production and storage of food is the essential force in the universe. Through it the sun gives us not only the food necessary for our life and growth; it also produces our light and heat.

For instance, if we burn coal, gas or oil we are only releasing energy that has been stored in buried plants which were alive in the coal-bearing swamps of some 200 millions of years ago.

And when night falls and I turn on the switch of my desk lamp, the room is flooded with light. In the meantime the powerhouse burns its

hoarded tons of coal thereby transforming another portion of the sun into electric current.

THE PROCESS of photosynthesis is as old as the first green plant before a Dutch scientist and physician named Jan Ingen-Housz discovered that only green plants could carry on this activity. However, he knew little of the steps involved in this synthesis from water and air to sugar and starch.

Here in America it was James Conant who during the first part of our present century worked out the chemical structure of chlorophyll.

MOST INTERESTING to your article is an observation made by Professor Donald Pette which points out the similarity between the structure of the formula of the life-giving chlorophyll of plants and the equally essential hemoglobin of the blood of animals. It goes like this: the hub of every chlorophyll molecule is an atom of magnesium while in hemoglobin it is an atom of iron. In every other respect the two formulas are identical.

So closely are we akin to the plant that feeds us! It was not until 1954 after six years of intensive research that Professor Daniel Arnon and a group of associates succeeded in carrying out the complete process of photosynthesis in the laboratory.

THE STEPS IN this intricate operation cannot be here detailed. However Professor Arnon says of the practical value of his work: "The achievement of extra-cellular photosynthesis brings nearer the day when man can reduce his reliance on crop plants and derive his food and energy by devising his own method of synthesizing his food supply directly by using the energy of the sun."

It is when this process can be carried out on a practical scale, which will dawn a new era of abundance for all mankind.

During the course of this

By Lydia King Freese
 Special Writer for The Birmingham Eclectic

day's sunlit hours my oak tree will have produced the food necessary for its own growth and it will also have put-by a store for future use. At the same time it has built up a small degree of its own strength and other salts brought up by water by its roots and it has trans-


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H	32	1.92	2.10	2.44	2.77	2.92	2.98	3.29
H	36	2.26	2.56	2.85	3.16	3.40	3.55	3.76
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Wayne Alumnae At Conference Day

Alumnae of Wayne State University's 10 branch clubs who attended Conference Day at the university last week heard Mrs. Stanley Cain, special assistant to Ruder Heys, vice-president for academic affairs at U of M, tell about needs and opportunities for adult women.

Mrs. George Ritter, 2849 Sunset Drive, Lathrup Village, presented the fourth annual Woman of Wayne Service Award. Mrs. Ritter is a member of the Birmingham Wayne Alumnae group.

Other events of conference day included tours through the art and art education departments and the annual student art exhibit.

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Answer To Puzzle No. 751

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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