"TEXAS ARCHITECT—54" WINNERS NAMED
EXHIBITS SHOW NEW MATERIALS AND TECHNIQUES
FINAL PLANS FOR FORT WORTH CONVENTION
NEW DEVELOPMENTS IN LIGHTING CLASSROOMS
MODEL HOUSE FOR STATE FAIR

OCTOBER 1954
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INSIDE THE TEXAS ARCHITECT

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THE TEXAS ARCHITECT

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CALENDAR

October 9-24 --- "Texas Architecture —
"54" at State Fair, Dallas.
November 3-5 — 15th annual convention,
TSA at Fort Worth.

OF EVENTS

February 7-11—UHAS symposium at
University of Houston.
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Convention Exhibits Show New Materials and Techniques

The annual convention of a professional society offers an excellent opportunity for members in attendance to study the newest developments in materials and techniques in the field.

At Fort Worth from November 3-5, members of the Texas Society of Architects will find at their fifteenth annual meeting a large and varied group of exhibits by various individual companies, organizations and groups. Manufacturers and suppliers from every part of Texas and the nation are taking this opportunity to show the very latest in materials and techniques, and are thereby performing a valuable service to both the architectural profession and the general public.

Exhibit space was requested by many exhibitors more than 90 days in advance of the Fort Worth meeting, and as this edition of the Texas Architect goes to press space is almost totally reserved. This has allowed the proper time for preparation of excellent convention exhibits, which are staffed at all times by company representatives who are thoroughly qualified to demonstrate products and services and advise as to their proper use.

Architects increase their ability to serve the public by staying abreast of current developments in allied fields, and just as every other man in a profession or in business today, the architect must be thoroughly conversant with what individual companies, industry associations, and research groups are doing in their laboratories and testing grounds.

A TSA official remarked recently that the average practitioner is "constantly returning to graduate school, in terms of the time which must be spent in regular study and reading to keep abreast of developments in architecture". He also pointed out that an additional and important source of current information for the architect lies in attendance at conventions and meetings where technical exhibits are available.

TSA is therefore happy to see the record number of exhibitors who will be present for the Fort Worth convention, and to acknowledge the contribution they make in revealing the details of new products, services and developments affecting the architectural field. A well-prepared and well-staffed convention exhibit is of real value to all TSA members and convention guests, but it is even more important in terms of providing better architectural service for the general public.
Home of Mr. & Mrs. Pieter Cramerus

The home of Mr. and Mrs. Pieter Cramerus, in Houston, was a top award winner in "Texas Architecture—54", now on exhibition at the State Fair in Dallas. Architects for the home were Wilson, Morris & Crain, TSA-AIA, Houston.

"Texas Architecture—54" Winners At State Fair
Dallas Savings & Loan Association, Houston Hcme Are Top Entries
In Third Annual Competition

A building for the Oak Cliff Savings and Loan Association of Dallas, by the Dallas architectural firm of Prinz & Brooks, TSA-AIA; and the Houston residence of Mr. and Mrs. Pieter Cramerus, by the Houston firm of Wilson, Morris & Crain, TSA-AIA took top honors in "Texas Architecture—54", to be seen October 9-25 at the Dallas Museum of Fine Arts during the State Fair.

"Texas Architecture—54" is the third renewal of an annual competition sponsored by the Texas Society of Architects and the Dallas Chapter of the American Institute of Architects. After the State Fair showing, which opens with a preview and awards ceremonies on the evening of October 7, the top winners and eight additional Awards of Merit will be shown at the 15th annual convention of the TSA in Fort Worth November 3-5, and at various points over the state.

Eight Awards of Merit

From the 39 entries in the annual show, which was open to any practicing architect registered in Texas, the jury of
Oak Cliff Savings & Loan Association

This building for the Oak Cliff Savings & Loan Association of Dallas won one of the two top awards in "Texas Architecture—54", statewide competition, for the Dallas architectural firm of Prinz & Brooks, TSA-AIA.

selection gave Awards of Merit to the following:

Residence of Mr. and Mrs. Harold M. Scherr, San Antonio, architect Milton Ryan of San Antonio; residence of Mr. and Mrs. Lawrence Blum, Beaumont, architects Bolton & Barnstone, Houston; Training & Workshop Building for Harris County Workshop for the Blind, Houston; architects, Wirtz, Calhoun, Tungate & Jackson, Houston; Phi Delta Theta Sorority House, Austin; architects, Page, Southerland & Page, Austin; O. Henry Junior High School, Austin; architects, Fehr & Granger, Austin; photographic studio and apartment for Fred A. Winchell, Houston; architect, Harwood Taylor, Houston; and Auto Convoy Company Building, for Waldo E. Stuart, Dallas; architects, Smith & Mills, Dallas. A com-
mendation was given Bolton & Barnstone, Houston, in association with Florence Knoll, New York City, for a project submitted out of competition, the Schlumberger Renovation Project, Houston.

Jury of Selection

The jury of selection for "Texas Architecture—54" consisted of John Gaw Meem, Santa Fe, New Mexico; and A. L. Aydelott, Memphis, Tennessee; AIA members who are nationally known in the architectural field.

The jury paid tribute to the high quality of entries in the competition, which is attaining prominence throughout the United States and is a prime means of attracting attention to the accomplishments of Texas architects.

(Continued on Page 11)
New Developments In Classroom Lighting

Concave "Floating" Lens Removes Much Direct Glare In New Fifteen-School Tests

By Henry L. Logan, Vice-President In Charge of Research, Holophane Company, Inc., New York, New York

Since the early 1940's classroom lighting technique has been devoted to furnishing illumination so that students would be visually comfortable, without conscious regard for their more vital need of accurately fixing the identity and location of the visual objects they worked, whether it be symbols on paper or edges of such things as rulers or triangles. This has come about because of the practice of using highly diffused light, so that shadows are almost eliminated. This is especially true when indirect luminaires, long lines of closely-spaced low brilliancy sources, or diffusing luminous ceilings are employed.

This is a condition in which increasing the illumination may actually decrease the ability to see exactly where things are, such as the edge of a ruler or triangle; and what they are, such as the actual form of written or printed characters.

This is shown in the illustration of a newspaper photographed by G. P. Wakefield and reproduced here. The right half of the picture shows the material lighted by a low brightness diffusing light source located ahead of the reader so that he will get the maximum effect of the diffusion. The details largely vanish owing to the diffuse surface reflection that veils what is underneath. The left half of the picture shows half of the same page shielded from the one unit and accepting light from a similar unit from the left so that much of the surface scattering goes away from the observer. However, there is enough left to reduce the natural contrasts in the image and make it paler. The effect of an installation of such units would be somewhere between the two conditions shown by the photograph.

"DIMAGE" Effect

At right, a low brightness diffusing light source causes many details to vanish because of diffuse surface reflection. At left, much of surface scattering is shielded, but enough remains to increase ability to see the newspaper characters as they actually are.

"Dimage" and Control of Light

This effect is called "dimage" and is so marked with diffuse light sources that Wakefield came to the conclusion that the "next field of improvement in quality of illumination" lay in utilizing "the direction of flux"; that is, controlling the light so that the diffuse element is reduced to the proportions found in optimum natural lighting. In such light the scattered, random, diffuse rays run from 10 to 30 percent of the total.

This is apropos of the new low-ceiling classrooms where lower ceilings not
(Continued on Page 11)
I am deeply grateful for the splendid response we have had from the Committees this year to every project assigned to them, or developed through their own initiative. We are in the process of gathering their annual reports now, and I can assure you that it is most satisfying to your President to study their outstanding work. This has truly been an eventful year for me, and through the efficient and well planned work of your officers, directors, committees and the office of the Executive Director, we have accomplished an outstanding period in the history of T.S.A. When you review the published annual report at the Convention I am sure you will agree that T.S.A. is a regional organization of the highest order.

Our conventions seem to get better and better each year, and I can assure each of you that the Fort Worth meeting will be an event you cannot afford to miss. The seminar program is of vital interest to all architects, and the social affairs that await you are planned for that wonderful fellowship that Texas Architects love. We are anxious to have all registered architects attend, whether you are members of T.S.A. or not, for we know if you meet with us once you will be eager to come back next year. There is no professional convention that has been built through the years on a finer basis of real enjoyment and worthwhile consideration of professional matters than the annual convention of the Texas Society of Architects. We urge you to be in Fort Worth on November 3, 4 and 5, and you will mingle with the finest men and prettiest ladies in the nation.

Sincerely,

Edwin W. Carroll
Harry D. Payne, hard-working chairman of the Insurance Group Plan, sends the following important information on coverage:

Washington National Insurance Company announces increased benefits (without increased cost to certificate holders) effective and applying to hospitalization on and after September 1, 1954, as follows:

**Daily Room Allowance:**
- for Participants, from $8.00 to $10.00
- for Dependents, from $7.00 to $8.00

**Maternity Hospital Allowance:**
- for Participants, from $80.00 to $100.00
- for Dependents, from $70.00 to $80.00

Previously the Insurer had granted policy improvements (without increased cost) effective June 1, 1954, as follows:

a. Elimination of the Age 70 Limitation.

b. Emergency Accident Benefit ($25.00) payable for expenses in-or-out of hospital (formerly in-hospital-only).

Comparison of the Texas Society Plan with many competitive plans proves this Plan to be of superior balance and of greater practical benefit than those offered to any other professional group.

For information - address: TSA Insurance Account, 120 Studio Bldg., 3908 S. Main, Houston, Texas.
REGISTER FOR THE CONVENTION NOW!

This is our last chance to tell you about the record-making Nov. 3 - 5 convention, and to urge that you send in your registration, if you have not done so, TODAY!

The program is excellent, with seminars and business sessions of great interest and value. Fort Worth is known all over the U.S. for its hospitality, and the Chapter members there have arranged a group of social affairs of outstanding quality to go along with the more serious side of this 15th Annual Convention.

One real attraction will be the 40 exhibits, space for which was sold out completely before October 1 by the energetic John G. Flowers, Jr. Some of the best-known manufacturers and suppliers in the nation will be ably represented and TSA has been assured that each booth will be manned by personnel technically competent to explain all details of the goods or services on exhibit. We would certainly appreciate anything that the membership can do to indicate their interest in, and appreciation of, the very considerable investment by suppliers and manufacturers in bringing these exhibits to Fort Worth and maintaining them for our benefit.

Each TSA convention seems to be better than the preceding, and we predict that the Fort Worth Chapter will offer a new high in annual meetings which will be of great value to every member. Don't forget that the convention offers an unexcelled opportunity for you to meet your fellow practitioners from every part of the state, and discuss current developments and problems with them while you hear matters of critical importance to architecture under discussion.
CONVENTION PROGRAM

Following is the detailed program for the Fort Worth Convention, so that you will know the daily schedule during the convention, what clothing to bring for various social events, and as much as possible about this 15th Annual meeting which seems destined to break all previous records for total attendance and interest:

WEDNESDAY, November 3:

9:00 a.m.  Registration opens, lobby of Texas Hotel.
9:30 a.m.  Golf tournament, Colonial Country Club, sponsored by Texas Quarries.
10:00 a.m. Exhibits open, top floor, Texas Hotel.
1:00 p.m.  Tours of Amon Carter Airport, Western Hills Country Club, other sight-seeing points of interest in Fort Worth.
6:00 p.m.  Cocktail party, top floor, Texas Hotel, sponsored by TSA and material supply firms.

THURSDAY, November 4:

9:00 a.m.  Registration continues, lobby of Texas Hotel.
9:30 a.m.  Business session, top floor, Texas Hotel, President Edwin W. Carroll, presiding.

Keynote address by George Bain Cummings, Secretary, AIA: "Orienting the Young Practitioner".

12:00 noon Ladies Luncheon, Western Hills Country Club, sponsored by TSA.
CONVENTION PROGRAM (Cont.)

THURSDAY, November 4 (cont.)

2:00 p.m. Opening Seminar Session, Top Floor, Texas Hotel, J. Murrell Bennett, chairman, Office Practice Committee, TSA, presiding.

George Bain Cummings, "Standards of Professional Practice", followed by discussion.


David C. Baer, national chairman, Office Practice Committee, AIA, and consultant to the AIA, "The AIA Accounting System and Office Aids", followed by discussion.

6:00 p.m. Costume Cocktail Party and Western Ranch Supper, sponsored by TSA and Texas Industries.

FRIDAY, November 5:

8:30 a.m. Breakfast, Fort Worth Club, sponsored by Acme Brick Company.

9:30 a.m. Workshop Sessions.

CONVENTION PROGRAM (Cont.)

Walter Megronigle of Ketchum, Inc., public relations consultant to the AIA, Pittsburgh, Pa., "Public Relations Workshop".

Edward L. Wilson, immediate past regional director, AIA, "Charging Proper Fees and Earning Them" followed by discussion.

12:00 noon Awards Luncheon (for ladies and men), Texas Hotel, sponsored by TSA.

2:30 p.m. Business Session, Top Floor, Texas Hotel.
7:30 p.m. Cocktail Party, Rivercrest Country Club, sponsored by Producers' Council.

9:00 p.m. President's Dinner and Dance (formal dress), Rivercrest Country Club, sponsored by TSA.

CHAPTER PROGRAMS

One of the key projects for the Public Relations Committee during the last quarter of 1954, is indicating means by which the Chapters can improve interest in, and attendance at, monthly programs.

Emphasis is being placed particularly upon: (1) Advance planning to get speakers of the best caliber possible, (2) selecting subjects of real interest and value to the maximum number of Chapter members and (3) tying the program in with something in the public interest that will attract favorable attention to the Chapter.

This approach has now been tried particularly at Houston for
the past two months. The September meeting had the city traffic engineer, a nationally-known expert in his field, discussing what can be done to prevent a rapidly-growing city from choking to death in increasing traffic congestion, and how the architect can help in this overall problem. 

The meeting was attended by more than 80 members, and was pronounced the best in years, with members asking questions of real significance and interest for more than 30 minutes after the speaker had thrown the meeting open to discussion of his remarks.

And to show how a well-planned meeting on a question that affects both the architect and the general public can stimulate worthwhile interest: Pat Nicholson, public relations counsel for the Houston Chapter as well as to TSA, sent out releases on the meeting and had an immediate inquiry from TIME-LIFE-ARCHITECTURAL FORUM, which sent a staff representative with instructions to use the meeting as the basis for a nationwide article on the subject.

For October, Houston is bringing in the chairman of a committee urging the rehabilitation of a downtown slum area, a subject attracting great attention there.

**TSPE SURVEY**

The Texas Society of Professional Engineers, through the organization's Water Education Committee, has prepared a report on the various problems in connection with the use of water resources which will be submitted to Governor Shivers in the near future.
The entire subject of water is destined to be one of the principal issues before the forthcoming session of the State Legislature, and a report from the TSPE's president Frank T. Drought of San Antonio, to Walter H. Sindt of Fort Worth, secretary of the Texas Construction Council, indicates very important TSPE activity in preparation for increasing interest in conservation and use of state water. The TSPE also has its Legislative Committee hard at work on the problem of securing additional appropriations needed by the State Board of Water Engineers.

KERMACY GIVEN FULBRIGHT GRANT

Martin Kermacy, president of the Central Texas Chapter and associate professor of Architecture at the University of Texas, has been given a Fulbright grant to lecture at the Vienna Institute of Technology, Vienna, Austria, on American building materials and methods of construction.

In addition, Kermacy will work in an advisory capacity with architects, planners, and other professional groups, both government and private, on problems in the field of architecture and city planning.

Mr. and Mrs. Kermacy will leave for Europe in January, and will remain abroad until late 1955. They expect to visit many other European countries in addition to their stay in Austria.
Scene of President's Dinner-Dance

The banquet room of the Texas Hotel in Fort Worth is the scene of the traditional President's Dinner-Dance, final event on the program of the 15th annual TSA convention at Fort Worth November 3-5. Advance registrations indicate a new record attendance at the meeting.

Final Plans Made For Fort Worth Convention

Local Chapter Looks For 300 Delegates
To TSA Annual Meeting Featuring Seminar, Business Sessions

Members of the Fort Worth Chapter of the Texas Society of Architects are nearing the end of more than six months of work in preparation for the fifteenth annual TSA convention in their city November 3-5, and it is anticipated that the three-day sessions will attract a total registration of more than 300.

The convention begins at 9 a.m. on Wednesday, November 3, with registration at headquarters, the Texas Hotel. A golf tournament, sponsored by Texas Quarries, begins at 9:30 a.m. at the Colonial Country Club, and exhibits will open at the Texas Hotel at 10 a.m. In the afternoon, city-wide tours are offered, with the first day concluding with a traditional cocktail party sponsored by TSA and material supply firms.

Business Sessions Open

Business sessions open at 9:30 a.m. on Thursday, November 4. There will be a ladies' luncheon at 12 noon at the Western Hills Country Club, and a 12:30 p.m. men's luncheon sponsored by the Royal Tile Company. The seminar, "Orienting The Younger Practitioner", (Continued on Page 8)
Houston Architect
At Joint Meeting With Engineering Societies

David C. Baer, TSA-AIA of Houston, chairman of the national American Institute of Architects committee on professional practice, has returned from Washington and a meeting with representatives of national engineering societies to formulate a standard agreement form for use in agreements between architects and engineers. This will result in better and more uniform service to the public because of better understanding between architects and their consulting engineers.

Attending the meeting in addition to members of the Committee on Architectural Practice were officials of the National Society of Professional Engineers, the American Society of Civil Engineers, the American Society of Mechanical Engineers, and the American Institute of Electrical Engineers.

CONVENTION

(Continued from Page 7)

begins at 2 p.m. Thursday’s program ends with a costume cocktail party and western ranch supper, sponsored by TSA and Texas Industries.

On Friday, a traditional breakfast sponsored by the Acme Brick Company opens the final day. After a public relations workshop at 10 a.m., an awards luncheon for ladies and men will be held starting at 12 noon. The final business session starts at 2:30 p.m., and the convention closes with a 7:30 p.m. cocktail party at the Rivercrest Country Club, sponsored by the Producers’ Council, and the President’s Dinner and Dance.

Advance registrations have caused the convention committee for the Fort Worth Chapter, headed by Preston Geren, Jr., and John Floore, to predict the greatest convention in the 15-year history of TSA.
Model House for State Fair

The House Beautiful Pace-setter House of 1955 shown above, will be displayed at the Texas State Fair in Dallas, October 9-24.

The house was designed by a group of students of the School of Architecture at the University of Texas under the guidance of Harwell Hamilton Harris, director. The contractor was the Dallas Home Builders Association, agent Joe Mayberry.

The all-electric house is sponsored by the Texas State Fair, the Dallas Power and Light Company, the General Electric Corporation, House Beautiful Magazine, and The University of Texas.

Five Participants

Students who participated in the design are David Brown Barrow, Austin; Patrick Swearingen Chumney, San Antonio; William Barnes Hoff, Austin; William Terry Lacey, Dallas; and Haldor Nielson, Austin.

With the exception of Lacey, the students were chosen from among fourth year students at Austin, who had made the highest grades on a house problem, "Design for a House for the President of the University," given the semester before. Lacey, a graduate student from Rice Institute, wrote his master's thesis on the House Beautiful Pace Setter House.

Other Participants

Don Edward Legge, an honor student of the School of Architecture at the Uni-

(Continued on Page 10)
Acoustical Society of America
To Convene in Austin
On November 18-20

The forty-eighth meeting of the Acoustical Society of America will be held in Austin on the University of Texas campus, from November 18-20.

On the agenda for the important three-day meeting, to be attended by representatives of TSA, will be discussions and papers on topics including waves in solids, underwater sound, ultrasonics, noise, musical acoustics, architectural acoustics, noise control, and physical acoustics.

Three On Program

Many of these fields are of importance to the architect, particularly in designing public buildings, auditoria, theatres, schools, industrial plants, and similar structures.

Among those on the ASA program will be O’Neil Ford, TSA-AIA, of San Antonio; F. Talbott Wilson, TSA-AIA, of Houston; and F. Bernhard Hoesli of the University of Texas School of Architecture, all presenting invited papers on the theme “Making Architectural Virtues Out of Acoustical Necessities” during a November 20 session on architectural acoustics.

Model House

(Continued from Page 9)

versity of Texas who was graduated in June 1954 spent three months during the summer in Dallas, assisting in supervision under the direction of Harris. David Barrow also spent two months in Dallas on the project.

On Display In 1955

After it has been displayed by the Fair the house will again be put on display in the spring of 1955 when it is publicized in House Beautiful.
"Texas Architecture—'54"
(Continued from Page 5)

The public is requested to note when the touring exhibition of "Texas Architecture—'54" will be seen after its appearances at the State Fair and at Fort Worth, at various schools of architecture and other exhibition points over the state.

George Edwards, TSA-AIA, of Dallas, was general chairman for "Texas Architecture—'54".

Classroom Lighting
(Continued from Page 6)

only make it more difficult to hang suitable lighting equipment, but bulk more largely in the field of view, coming down closer to the line of sight. A good distribution of artificial light becomes more difficult owing to short suspension stems that must be used, and bright spots above incandescent, indirect units may become distressingly bright.

New Principle of Optics

A solution recently been applied to fifteen new schools from Rhode Island to Idaho (and illustrated here) seems of sufficient merit to mention. It takes advantage of a newly applied principle in optical design—concaving a lens so that it partly "floats" upward away from view—to take the direct glare out of direct lighting. Lighting levels are satisfactory (average 40 footcandles in service in classroom shown) owing to the primary striking of the light on the working plane, with about the half the wattage required for incandescent indirect equipment. Visual comfort is high owing to the lack of light directed towards the eyes by the lighting units.

Dimage is low on the majority of classroom materials, as diffusion is reduced to that caused by the overlap of adjacent lighting units plus multiple reflection from the room surfaces. There is thus a reduced percentage of scattered light to cause a concealing overlay on objects viewed.

Austin Architect
Awarded Fulbright Grant
For Lectures In Vienna

Martin Stephen Kermacy, associate professor of Architecture at the University of Texas, has been awarded a Fulbright grant. He will lecture on American building materials and methods of construction at the Vienna Institute of Technology.

In addition, he will work in an advisory capacity with architects, planners, and other professional groups — both government and private — on their problems in such fields as city planning and the practice of architecture.

A graduate of the University of Pennsylvania, where he received a master's degree in architecture in 1939, Kermacy engaged in private practice in Virginia, Pennsylvania, Michigan and Chicago before he joined the University of Texas staff in 1947.

Visiting Critic At Cornell

He was visiting critic at Cornell University in 1949 and at the University of Pennsylvania in 1951.

Kermacy is president of the Central Texas Chapter of the American Institute of Architects, and is a member of TSA. In the latter organization he is on the state education committee, and served as chairman of the 1953 convention seminar committee.

He also is chairman of the Austin master plan committee, and is a member of the Austin city planning and zoning commission, the advisory commission for development of Austin municipal airport, and Austin citizens committee on subdivision ordinance.

Mr. and Mrs. Kermacy will be in Europe a year, during which time they will travel and engage in research in Italy, France, Spain, Germany, England and the Scandinavian countries.
Yeomans Brothers, 1999 North Ruby Street, Melrose Park, Ill., is producing Packex, a packaged pneumatic sewage ejector for low volumes. Packex is designed especially for small building and subdivision lift stations such as small apartment buildings, offices, schools, trailer parks, and small residential areas. It is said to be competitive in price with centrifugal pumps.

Air Devices, Inc., 185 Madison Avenue, New York 16, has added continuous air outlets to their line of Agitair Air Diffusers. The new units incorporate patented diffusing vanes and it is claimed that they allow unvaried distribution of noiseless, draftless air over a predetermined area.

Bell & Gossett, Morton Grove, Ill., has added the "#150 booster," a 1 1/2" circulating pump with 1 1/2-horsepower motor, to the company line of small booster pumps used primarily for the circulation of hot water.

The "Kitchen Pig," a heavy-duty waste disposer for commercial and institutional use, is made by the Kitchen Engineering, Inc., 9330 Santa Monica Blvd., Beverly Hills, Calif. It uses a three-way cutting action and case-hardened burrs.

The Center is regarded of prime importance to both the U. S. and Mexico in the fight to control and eliminate Pink Bollworm because it is located in the center of an international area which grows a significant part of the entire world supply of cotton.

National Gypsum Company, 325 Delaware, Buffalo 2, N. Y., has developed Twinsulation, a new insulation blanket combining the qualities and insulating ability of rock wool and reflective aluminum surfaces. One side of Twinsulation, that facing the building interior, is aluminum foil; the other is aluminum-coated. Rock wool is sealed to both sides of the resulting blanket.
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