





## INSURANCE INFORMATION INSTITUTE 400 SAN JACINTO BUILDING, 9th & SAN JACINTO STS. • AUSTIN, TEXAS 78701 • (512) 476-7025

**TEXAS OFFICE** 

CLINT DARE, MANAGER
ACCREDITED BY THE PUBLIC RELATIONS SOCIETY OF AMERICA

December 16, 1975

TO: SEN. A. R. SCHWARTZ
Chairman, Texas Coastal and Marine Council
ORAN NEEDHAM
Chairman, Texas Catastrophe Property Insurance Association

Gentlemen:

This is the final report of the 1975 hurricane awareness program.

It represents the observations and opinions of only one participant in the program, and therefore should not preclude data received from other sources. Since this office was primarily concerned with the public relations aspect, and then only as it reflected the combined efforts of both the Council and the TCPIA, there may be significant additional judgments worth considering. But with this qualification understood, it appears that the program was successful. If you'll pardon the description, there is a temptation to add that the program could even be said to have been tremendously successful.

Hurricane awareness obviously is an ongoing concern; the projects related to this should be as well.

In many respects, this was a pilot project. It may be properly considered as a significant step forward toward an objective of informing Texas coastal residents and property owners about the potential problems (and how to cope with them) should a major hurricane hit the state. It would seem to be a program worthwhile in every respect. Cooperation is the key to insuring that advance preparation is achieved. It has now been demonstrated effectively at one point: there are still more benefits to be realized from continuing in future years.

Comments and suggestions are encouraged. The next year can bring even greater accomplishments.

Sincerely,

Clint Dako

### REPORT OF THE 1975 HURRICANE AWARENESS PROGRAM

(A cooperative effort of the Texas Coastal and Marine Council and the Texas Catastrophe Property Insurance Association)

BACKGROUND: Public information about the potential problems arising from a natural catastrophe, such as a hurricane, is increasing by the year for Texas coastal residents and property owners. All of this material is well-conceived. However, with the increase in public information there is a related increase in the number of organizations making the information available.

Every group wants to do its part at warning/advising/prodding coastal area residents to commit to memory—in advance of disaster—all of the necessary steps for survival in an emergency caused by a hurricane. When a "Big One" hits, everyone agrees that it is largely too late for effective communication and many lives and countless dollars of property loss will result, especially for the ill—prepared. On this point, all agree: state agencies, local governments, federal bureaus and agencies, civic organizations, public officials—a virtually endless list, though some are of course more active than others in their pursuit of the objective.

Inevitably under these circumstances, of a multiplicity of programs, which is fairly typical, there is duplication of effort. Some of these interests are operating under a plan of action which may appear to be a coordinated plan. Some are not. At any rate, there is no effective overall plan, embracing all concerns, or if there is one, it's not apparent. This may or may not be a continuing problem. It would seem, nonetheless, that there is enough common material and shared objectives to suggest the need for immediate steps toward such a master plan. If it were not obvious on its face, other factors should make it so. These include foremost the very real competition for the attention of the Texas coastal area residents. There are, afterall, other things to occupy and/or divert the interests of the public besides the real need to be aware about hurricanes. It's doubtful that any one group, working independently of others, even on a similar program, could possibly cut through and make the desired impact.

It was this realization that brought the Texas Coastal and Marine Council and the Texas Catastrophe Property Insurance Association (TCPIA) together in this 1975 hurricane awareness program. The Texas Coastal and Marine Council, in fact, had already produced an abundance of useful information, and had been successful in getting it into most of the right hands. But the "right hands" should include every potentially affected individual, and this is too big a task for any one group. Representatives of the Council understood this. With only minor additions, and these largely based on increasing emphasis on the means to protect property, members of the TCPIA board felt their intentions were compatible with the Texas Coastal and Marine Council program. It was in this spirit that a joint effort was proposed in 1975, and ultimately carried out. Perhaps others will join future efforts. But a major step has been taken. How successful this first major step was remains to be seen, but preliminary judgments are that it was highly successful, especially when the limited budgets and personnel for both groups are considered.

<u>PURPOSE</u> of the 1975 Hurricane Awareness Program: To reach as many residents and property owners in the Texas coastal area with an effective message about the need to prepare in advance for a major natural catastrophe. Within the confines of a limited budget, every available public relations tool was to be used to full advantage.

COMPONENTS of the 1975 Hurricane Awareness Program included

- --Direct mail. Public officials (such as the mayors of coastal communities) and appropriate agencies (such as the National Weather Service, Department of Public Safety) were notified in some manner about the program. Material was provided.
- --Publicity. Both the Texas Coastal and Marine Council and the TCPIA acted independently in some cases in terms of publicizing the hurricane awareness program. This was largely because of the newness of the relationship, the separately established contacts and responsibilities, and the previously successful effort already made by the Texas Coastal and Marine Council. However, there was an extensive effort on a combined basis through the Texas Office of the Insurance Information Insititute.
- --Radio. Public service announcements were sent to all radio stations in the coastal area. There were several approaches used, including separate messages from Sen. A. R. Schwartz and State Insurance Board chairman Joe Christie. One sound track was in Spanish.
- --<u>TV.</u> Eight 16mm public service announcements were made available to the appropriate television stations. The messages were keyed to encouraging responses from viewers by including the necessary address information and comments about how to receive a "hurricane survival checklist". One spot was in Spanish.
- --Media Information Kit. This was assembled, produced and distributed by the Texas Office of the Insurance Information Institute. The kit included features, newspaper clippings, camera-ready versions of the hurricane survival checklist, background material from Texas A & M and the Texas Highway Department and the National Oceanic and Atmospheric Administration, and other information designed to create interest and to provide a ready source book about hurricanes and hurricane survival

- -- "Hurricane Survival Checklist". This represented the key element of the entire hurricane awareness program. It was a large printed piece, folded to letter-size for mailing purposes. It was first developed and used by the Texas Coastal and Marine Council in 1974. Improvements were made in its design for 1975, and additional information was included to make it an even more effective piece. The hurricane survival checklist remained constant, but there were seven maps produced keyed to a particular area on the coast: Brownsville, Kingsville, Corpus Christi, Port Lavaca, Bay City, Galveston and Beaumont. Lists were appropriately coded. The maps for each area illustrated the extent to which recent hurricanes have flooded Texas coastal areas. The maps were prepared by the Bureau of Economic Geology at The University of Texas-Austin, and derived in part from the U. S. Corps of Eingeers' data. This basic piece of literature was mentioned as being available in nearly every news release and mailing related to the project.
- --Public Service Advertisements. Camera-ready public service newspaper advertisements were provided for all newspapers in the "hurricane area". Their use depended solely on the discretion of the individual newspaper management. The use of this material far exceeded expectations, and is to the credit of public-spirited newspaper executives, since public service advertising, by definition, is a contribution of free space.

A COMMENT: It's difficult to measure the effectiveness of a project such as the 1975 hurricane awareness program. This is unfortunate to the extent that any final judgments oftentimes have to be based on subjective analysis. The number of clippings from newspapers, for instance, may provide some data, assuming that (1) all clippings were secured and (2) the clippings represented readership. With television and radio public service announcements there is the same difficulty: some feedback can be gathered about the use, but it is presently impossible to calculate exactly how many spots were used, when, where, and then had their message received. With literature, such as the hurricane survival checklist, the problems continue: the number distributed can be determined, but how many people saw the material and then used it is again impossible to calculate. Given these qualifications, can it be definitely stated that a program was successful? Probably not--except with heavy emphasis on the subjective aspects. However, using most of the available measures, there can be some impressive evidence, and this was the case with the 1975 hurricane awareness program.

For example, the following is a breakdown of the distribution totals of the hurricane survival checklist.

Area	Individual	Number
	<u>Requests</u>	Requested
Beaumont	297	2,089
Galveston	1,978	15,979
Bay City	167	3,045
Port Lavaca	380	1,735
Corpus Christi	336	3,136
Kingsville	17	674
Brownsville	431	1,129
*Multi-Area	501	-
*Complete Sets	169	_
	4,276	27,787

This, it should be noted, is the distribution in response to individual requests. These individual requests were made virtually in every case by a personal letter. Generating a sizeable number of requests in this manner is the most difficult of all approaches, because it involves several steps of communication: (1) the availability of the material has to be announced and the message received, and (2) someone has to take the initiative to do something about it, like write a letter. Based on this, the 4,276 individual requests would appear by many measures to represent an unqualified success. It exceeded, in fact, all projections. The number of individual requests has a multiplied impact when coupled with the more than 27,000 survival lists that this group desired. This means that large numbers of these individuals intended to further distribute the material. This required additional personal initiative. There is no way to calculate how many individual readers this represented, but multiple readership can fairly be assumed.

The mechanics of the distribution were handled by the Texas Coastal and Marine Council, and represented a significant contribution to the overall success. This was somewhat complicated because of the different maps required for different areas, but in any event was a monumental task well-handled.

REACTION. One response in particular demonstrated the value of the program in many respects. A post card inquiry from a Texas City couple, asking for several hurricane survival checklists for the local senior citizens' organization, said: "Please mail the free hurricane survival checklist for Galveston County. We lost all our possessions in Carla. We are senior citizens and my husband is an invalid, so we must leave early."

There were other less emotional replies from other segments. One from a radio station, commenting on the media information kit and public service announcements, said "very good". Remarks from newspaper executives included "well-planned and produced"; "appreciate information and will use some of it"; "excellent"; "very helpful"; "timely--thanks"; "we're happy to use the material"; "very impressive and comprehensive"; "very informative--will definitely use to maximum"; "good. . .excellent--send us all you can"; "great for somebody who grew up inland". A television public service director said "we appreciate receiving innovative spots of superior quality with important messages--thanks!".

The following pages are samples of how some of the material was received and how it was used. It is incomplete, but representative.



# DIVISION OF DISASTER EMERGENCY SERVICES

TEXAS DEPARTMENT OF PUBLIC SAFETY 5805 N. Lomar Blvd. Box 4087 Box 4087 Austin, Texas 78773 512/452-0331, Ext. 295

September 29, 1975

WILSON E. SPEIR Director

M. P. BOWDEN Coordinator

DOLPH BRISCOE Governor

Mr. Clint Dare
Insurance Information Institute
9th and San Jacinto
Austin, Texas 78701

This is to confirm receipt of your recently published Hurricane Awareness
Kit. In our opinion, it puts together in a highly readable form those
Kit. In our opinion, it puts together in a necessary to reduce the loss of lives and
isolated bits of information so necessary to reduce to pay us a visit.

property when these unpredictable "Ladies" decide to pay us a visit. Dear Mr. Dare: aked me to acknowledge the package, I am to acknowledge the package, I am to ake a distributional copies, if available.

our staff members in preparation of es on emergency preparedness.

The State of Texas Office of the Lieutennut Cabernut

September 30, 1975



Mr. Clint Dare
Insurance Information Institute
Insurance Information Institute
400 San Jacinto Streets
9th & San Jacinto 78701
Austin, Texas

Just a note to thank you for providing me with

Just a note to thank you for providing Me with
a copy of the Hurricane Awareness Media Kit
a copy of the Hurricane Coastal and Marine Council
Brepared by the Texas Coastal and Insurance
on the Texas Catastrophe Property Insurance
on the T Dear Mr. Dare:

Association. Your thoughtfulness is appreciated.

The key to reduction of Personal lies in the losses resulting from hurricanes organs should be losses resulting from hurricanes organs should be success of public information programs and an estimate and sters a hurricane success of public of, during and after a hurricane of, during and of the Texas designed done hurricane waveness program of the Texas Catastrophe hurricane waveness program of the Texas Catastrophe hurricane have council on the made great council not be made great and Marine Secolation that made great property Insurance Association is most impressive progress in improving the public's understanding of hurricanes and the media kit is most impressive for both its scope and thoroughness.

Bill Hobby



DOLPH BRISCOE GOVERNOR EXECUTIVE OFFICE BUILDING September 24, 1975

Mr. Clint Dare Insurance Information Institute Insurance Information ins 400 San Jacinto Building 9th & San Jacinto Streets Austin, Texas 78701

Dear Mr. Dare:

Thank you very much for providing me with the Media Kit on Hurricane Awareness that was created by the Texas Coastal and Association.

Public awareness and education of this type is extremely important to the citizens of Texas. I want to commend you its part in this very important joint program.

Again, I want to express my appreciation for your sending this to me, and I will be sharing it with my state coordinator the Governor's Division of Disaster Emergency Services. Sincerely Yours

Dolph Briscoe Governor of Texas

DB/dls

411 WEST 18TH STREET AUSTIN, TEXAS 78701



### PLAYCARE CENTERS OF AMERICA, INC.

May 23, 1975

Hurricane Box 13407 Austin, Texas 78711

Dear Sirs:

As per newspaper article in the Islander and The Kainlander newspaper published in Galveston, Texas on Wednesday, May 21, 1975, please send to the address shown above a free copy of the checklist and nap which shows the potential danger from a hurricane by indicating the extent of flooding caused by hurricane Beulah (1967) and Carla (1961) which was developed by the Texas Coastal and Marine Council and the Texas Catastrophe Property Insurance Association.



2728 Kentucky Baytown, Texas 27520

August 8, 1975

Box 13407 Austin, Texas 78711

Please send me your information about Hurricane pro' and preparation, especially am I interested in the check III.

**C** 

### ELECTRONICS COMPANY, INC. LOCKHEED

AEROSPACE SYSTEMS DIVISION

18811 EL GAMIND SERL

MOUSTON, TELES FFEIR ICLEPHONE (AMEN GODE 113) 454-8648

11 August 1975

HURRICANE Box 13407 Austin, Texas 78711

Please send me 2,200 "If A Hurricane Strikes!" information folders. You all did an excellent job on putting that information series together

Very truly yours



Geography Department San Jacinto Collège
A PUBLIC JUNIOR COLLÈGE
BOSO SPENCER HIGHNAY
PASADENA, TEXAS 77505

September 5, 1975

Hurricane Box 13407 Austin, TX 78711

Please send me 2 copies of the hurricane map and hurricane survival check list made available by the Texas Coastal and Marine Council and the Texas Catastrophe property and Marine Association. Both copies will be used in Insurance Association. Both copies will be used in instruction at this institution—1 copy in the classrooms and 1 copy on the bulletin boards.



HURRICANE KIN-2196 May 23, 1975

Box 13407 Austin, Texas 78711

RE: Hurricane Maps - Galveston Area

Dear Sir,

REACT is an Radio Emergency Action Litizen's Lean, herein the GALVESTON AREA (Gounty).

He work directly with the Civil Defense during the Emergency situations and whenever needed by the local authorities. Our membership is in excess of 100 and I would like to know if

it would be possible to obtain the above listed maps for the promply circulated to the be given to the local new

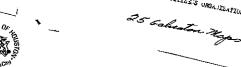
Thanking you in advanc-

Ma. & Mas. M. K.

14th Ara. No.

Texas City, Tex. 77590

Can you mail several for our sexion citize's uppartention



University of Houston Clear Lake City

2700 Bay Area Boulevard Houston, Jexas 77058 (713) 488-6840

Office of the Chancellor

<sup>29</sup> July 1975

HURRICANE Box 13407 Austin, Texas 78711

Gentlemen:

I have seen your advertisement advising the Public of the Galveston-Houston atea.

Autivation of the Galveston-Houston atea. Of the Galveston-Houston area.

The University of Houston at Clear Lake City is a new institution which is just moving into its new quarters this fall indeed be not four moving into its new quarters this fall in the could be new to this area. The could be new to this area where the could provide each member of the world provide with your tharricane Sur-

If you can spare 200 of your publications, it will be greatly



THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT HOUSTON SCHOOL OF PUBLIC HEALTH COMMUNITY NURSE PRACTITIONER PROJECT

September 4, 1975

Hurricane Box 13407 Austin, Texas

Dear Sir:

I would appreciate very much receiving a copy of the map of low harricanes.

STATE DEPARTMENT OF PUBLIC WELFARE

September 4, 1975



Hurrica Box 13407 Austin, Texas 78711

Dear Sir:

Please send five (5) copies of "If A Hurricane Strikes". Co.

BOARD MEMBERS

GEORGE A. BUTLER CHAIRMAN, HOUSTON G. ANDREWS, JR.

GARRETT MORRIS FORT WORTH



DICK J. WILEY, Agent Auto - Life - Health - Home and Business

2027 Tradewind Center (Drawer O) Texas City, Texas 77590 Phone: Off. 948-3456



Ţο

DON POTTER, Agent Auto - Life - Health - Home and Business

September 3 1975

12122 Murphy Rd., Suite C Stafford, Texas 77477

Hurricane Box 13407 Austin, Texas 78717

JACK G. WAGNER & COMPANY
INSURANCE—ALL FORMS
Services, Sefety and Servings to Policyholders
P. O. Bor 50381
HOUSTON, IERAS 77054. HOUSTON, TEXAS 77055

MAP OF GALVESTON, TEXAS REGARDING:

9/2/15 DATE:

Please furnish us your map of Galveston, Texas. Thank you very much,



August 5, 1975

Hartford Plaza Hartford, Connecticut 06115

THE HARTFORD

August 5, 1975

NORTHWESTERN NATIONAL INSURANCE GROUP

HOME OFFICE: 731 NORTH JACKSON STREET / MILWAUKEE, WISCONSIN 53202 / PHONE (414) 763-8444

August 8, 1975
CHUMO:FUNSTER
MSURANCE COMPANIES
THE POLICY MAKERS

### AND N. Certal Expressions. Pox 2639 - Datas. Texas 15221 - 214/927-6110

August 6, 1975



6 June 1975

Texas Coastal and Marine Council
"Hurricane"
P.O. Box 13407
Austin, Texas 78711

Please send us one copy of the hurricane map for the Galveston area. Thank you.

GALVESTON INSURANCE BOARD The Oldest Board in the State of Texas by

INSURANCE INSPECTOR EDWARD J. BODDEKER AMERICAN INDEMNITY CO. BLDG.

Galveston, Texas 77550 May 14, 1975

\*HURRICANE\* Box 13407 Austin, Texas 78711

RE: HURRICANE SURVIVAL CHECKLIST FOR GALVESTON AREA

Attn. Mr. Clint Dare

Will you please send us a hurricane survival checklist and map that has been produced for the Calveston Area of the Texas Dear Mr. Daret

Coast.

Thank you wary much.

Yours very truly. GALVESTON INSURANCE BOARD

Effordakir By Inspector



EMPLOYERS CASUALTY COMPANY POST OFFICE BOX 2755 | DALLAS, TEXAS 75221

August 8, 1975

Subsidence Map P. O. Box 13407 Austin, Texas 78711

S. PHILLIP COLTRERA INSURANCE AGENCY 5050 Westhelmer - Room 310

representing Phone: 622-7030

KEMPER

Houston, Texas 77027

Chrcago 60640



151 Farmington Avenue Hartford, Connecticut 06115

John T. Guidan, Assistant Secretary Personal Accounts Department Casualty & Surety Division

August 6, 1975

"Subsidence Map" P. O. Box 13h07 Austin, Texas 78711



American General COMPANIES

BOX 3247 . HOUSTON, TEXAS . 77061

April 16, 1975



EMPLOYERS CASUALTY COMPANY
ISIST TREMONT | GALVESTON, TEXAS 77550 | TEL. 763-4248



Commercial Union Assurance Companies EXECUTIVE OFFICES ONE BEACON STREET, BOSTON, MASSACHUSETTS 02108

Subsidence "Map"
P. O. Box 13407

· n 1975

April 15, 1975

"Hurricane" Box 13407 Austin, Texas 78711

In re: Hurricane Awareness Program

JOE C. BLACKSHEAR # 1.1. MEFFERMAN # 2217 MARKES STREET • GALVESTON, TEXAS 77550 • TELEPHONE, GALVESTON 753-8578 • HOUSSION 207-0

Gentlemen:

Will you please forward to our Agency  $\underline{100}$  maps, if possible, which we will distribute to members of the public,

We are interested in Galveston area.

Thanks very much.

J]H:gmk



Press Port Isabel, Texas JUL 3 1 1975



# IF A HURRICANE STRIKES

# IF A HURRICANE STRIKES



La Peris News La Feris, Texas

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Flo po:

AUG 7 1975

RELOCATION

FEWS. THURSDAY, AUGUST 7, 1975

SURVIVAL

VIEWS LOOKING SHOREWARD WIND WIND MAX ETE MAX 80%: 125ks

AT SEA in deep water the only rice in sea level is due to the drop in air pressure at the storm center. However, hurricare winds six the ocean to a depth of 50 inthons, setting up a systematic movement of the water which sets the stage for storm surge when the system treaches shallow wells.



JUL 3 01975

IF A HURRICANE STRIKES



AT SEA in deep water the only rise in sen tavel is due to the drop in air pressure at the storm center. However, humicene which sit the opean to a depth of 50 fathoms enting up a systematic movement of the water which sets the stage for storm surge when the system reaches shallow water.



IF A HURRICANE STRIKES

The Hurricane Awareness Program logo is an equilateral tri-angle inscribed with the words preparation, information and relocation. As the straigle represents the strongest unit of engineering construction, so each element is essential to sur-vival. Each element is dependent on the strength of the others to support It. Relocation replaces the older word "evacuation" because relocation is by choice, not panic. Willingness to relocate is the logical outcome of informed preparation.

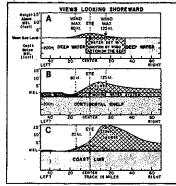
RELOCATION

### Flooding and winds possible storm results

Hurrisones strike the Texas Gulf Coast on an average of one every two years. They bring with them rain, wind and exaggerated rided sarge. The damage they do is calculated in dollars by various agencies within the limits of their special interest. The social upheaval caused by large scale devestation is more difficult to assess and in many areas mayonly. Each hurrison is unique and unpredetable. There recent burrisons to bit Texas—Carla (1901). Beulah (1967) and Cello (1970)—each inflicted distinctly different types of damage. Carla. although the packed peak winds of over 160 mph, did most of her damage by salwater flooding. In places, Carla's surge reached 21 feet above sea level and spreadmore than 10 miles infland.

Subaldence
Carla was the last major burricane to hit
he Houston—Calveston area. She came in
1961. In the 14 years since, things have
changed greatly in the area around Galveston Bay.
Extensive land development has occurred
since Carls, such as NASA's Johnson Spacecard Center and associated development.
Hundreds of acres of land in Harris and Galveston counties have been developed since
1961.

since Carls, such as NASA's Johnson Space-reft Center and associated development. Hundreds of acres of land in Herris and Calivegeon counties have been developed since because of heavy groundwater withdrawal. In places the land has bridence has occurred because of heavy groundwater withdrawal. In places the land has sunk 5-7 feet. This has drastically expanded the flooding danger. A combination of the expanded flooding danger. A combination of the expanded flooding danger. The combination of the expanded flooding danger. The combination of the expanded flooding danger. A combination of disaster much more than the combination of the expanded flooding danger. The National Wealther Service, in a recent report, points out two elarming facts. If Carla returned today, she would directly affect at least 50,000 more people and inundate intersteta 45 in several places not affected in 1501, thus cutting offershaper routes that were the several years in the proposed of the several years. The land boom along the west shore of Galveston and the combined of Several years. The land boom along the west shore of Galveston Bug is hown to sign of Sowing, and most of those who move in are unaware of the "Dis one" that is bound to make the combined of the property of the several types of action such as careful preparation by Cwill Defense officials of how, when and where to move people under the new creations of the withfrawal of ground water or minimize the additional land areas subjected to passible flooding. Some form of costal axes the additional land areas as the jetted to passible flooding. Some form of costal axes he additional land areas as the jetted to passible flooding. Some form of costal axes he additional land areas as the jetted to passible flooding. Some form of costal axes he additional land areas as the jetted to passible flooding. Some form of costal axes and the additional land areas as the jetted to passible flooding. Some form of costal axes and passible flooding. Some form of costal axes and passible flooding



AT SEA in deep water the only rise in sea level is due to the drop in six pressure at the storm center. However, hurricane winds stir the ocean to a depth of 59 fathors, setting up a systematic movement of the water which sets the stage for storm surge when the system reaches shallow water.

AT THE COAST LINE the moving water piles up to its greatest height and the surge may culminate in a see level rise of 15-20 feet or more. In Carrille the peak surge was 24.6 feet above mean sea level, and in Carla the peak was about 21 feet.

INSURANCE-AND CATASTROPHE

RISE OF THE STORM SURGE AS A HURRICANE MAKES ITS LANDFALL

for stepped up awareness and preparation for the Texas coastal zone this hurricane season. Possibly as much as a third of the current coastal population has never experienced a hurricane. Estensive land development in the post that the post of the coastal population has never experienced a hurricane. Estensive land development in the post of the post o

RECOVERY

In the attermath of a major catastrophe, such as a hurrkorne, the role of the Texas insurance industry is an important one. A guick that the properties of the properties of the following the followi

On a statewide basis, the Texas insurance industry has established a plan of action for expediting insurance rehabilitation of catastrophe-struck communities. This Texas Catastrophe Loss Plan' is coordinated by the Texas Insurance Advisory Association, headquartered in Austin.

Sociation, recoupling the Property Insurance Association was formed in 1971 to provide a means for individuals in high risk areas to obtain insurance against wind damage. Every company which writes property in-surance in Erase participates.

'Watch', 'Warning'

-words to know

# The Bayshore Sun Pull-Out TRACKING MAP-HURRICANE PULL-Out INFO AND SAFETY TIPS

### **Where To Call For Information**

The mayor in Incorporated areas and the county lodge in unincorporated areas serve as the local disaster coordinator. The bead coordinator generally designates some individual to handle this responsibility. The best method for locating this individual along the coast varies, but usually either the telephone directory under civil defense, the local police or sheriffs department, or the mayor or county judge will have the information. The local National Westherarchic representative, the local police or sheriffs department or the mayor or county judge will have the information. The local National Westherarchic representative, the local police or the fiends become the conditator for the fiends become the policy of Engineers, Red Cross two as a mann arm in 70%. The local National Westherarchic representative, the local police or the fiends become the field of the local National Westherarchic representative, the local National Westherarchic Researchic Researchic Researchic Researchic Researchic Researchic Re

AUG 2 1 1975

The mayor in incorporated TEXAS DEPARTMENT OF reas and the county judge in PUBLIC SAFETY

TEXAS DEFARLES OF PUBLIC SAFETY
Parks Bondon, State Coordinater, Division of Emerspecy Services, Texas Department of Public Safety, P.O.
Dox 6937, Austin, Texas 78773
RED CROSS
The numbers for your local
office are in the telephone
directory.
DOMPS OF ENGINEERS
Emergency Operations, U.S.
COPPS of Engineers, P.O. Box
1229, Galveston, Texas 7730

FEDERAL DEASTER ASSISTANCE

HURRICANE

DEASTER ASSISTANCE Loe D. Windle, Region 6 Director, Federal Disaster As-sistance, Administration, 100 Commerce Street, Dallas, Texas 15222 To further assist in recovery, various insurance organiza-tions are also prepared to be of service. These Include the Tex-as Catastrophe Property In-

EYE: The circular center of a hurricane. It has comparatively light winds and fair resulter.

GALE WARNING: A notice added to mail craft advisories when winds of 36-50 m.p.h. are expected.

RURRICANE WARNING: A contral properties of 28 inches with winds of 36-50 m.p.h. are expected.

RURRICANE WARNING: A contral present of 28 inches with winds of 36-50 m.p.h. are expected.

4. Become familiar with best

and space permit.

6. It is recomended that pets be left with commercial

Hurricane Glossary

AUG 13 1575

Hurricane Precautions Be sure that your Insur-sace coverage is suitable.
 Have tools such as axes and wrecking bars available for emergency rescue.
 Obtain location and tele-phone numbers of nearest Red Cross or other shetters.

Precautions
facilities.

7. Be sure you have an
evacuation vehicle. It should
be kept in good mechanical
recording some representation of the large in good mechanical
recording some representation of the large in evacuation routes.

5. When leaving, take things such as extra eye glasses, minimal tollet articles, kleenexes and bedding if time

Carry along survival supplies - first aid bit, canned or dried profisions and trends, bottled water, medications regularly regulard, and spatiestes, even proposed and proposed propose

BEWARE OF OUTDOOR HAZARDS

O NOT THE POWER IS 18 THE POWER OF THE POWER

MAIN INDOORS

If you have the second control of the second control

TOMPTLY

BEGIN A CONTINUOUS COMMUNICATIONS WATC.
Monitor TV and AM radio broadcasts or VHF/FM continuous restriction for the state of the telephone sparingly.

BEGIN A CONTINUOUS COMMUNICATIONS WATC.
Monitor TV and AM radio broadcasts or VHF/FM continuous restrictions and the state of the telephone sparingly.

BEGIN A CONTINUOUS COMMUNICATIONS WATC.
Monitor TV and AM radio broadcasts or VHF/FM continuous restrictions and the state of the state THE ELEVATION OF YOUR HOME ABOVE MEAN SEA.

CHECK YOUR SURVIVAL SUPPLIES ONCE AGE

CHECK YOUR SUPPLIES PROTECT PROPERTY
Whose the second protect your property
Whose their any more second protect your losses
Whose their any more second protect
from damage, period exposed WINDOWS AND GLASS
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ALAT UN THE LEENAHD ON DOWNNIND SIDE OF THE HOUSE wind decino charges. The series during he will be supported by the series during he will be series during the As the wind during common the series of common the series of common the series of common the series of common tuned for humbane information KEP A CONTINUOUS COMMUNICATIONS WITH A CONTINUOUS COMMUNICATION COMMUNICATIONS WITH A CONTINUOUS COMMUNICATION COMMUNICA KEEP A CONTINUOUS COMMUNICATIONS WATCH

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IF YOU MUST LEAVE HOME DUE TO THE HUR. RICANE THREAT

REAL THREAT

REST MAYER SURE THERE IS A SAFE REFUGE WITHIN THE STATE OF THE SAFE TO THE SAFE THREAT IDOS IBVEI. IT YOU INVE IT A THAT PROPERTY THE INVENTORY OF YOUR PROPERTY THE INVENTORY OF PARISH STRONG INDEED

# **Hurricane Survival Checklist** tides may arrive three to five. In the property of the sectual storm. Don't travel further than recessing. Cope and lock all windows and doors. Turn off main gas valve and power switch. Carry slong survival supplies -first aid kit, canned or kird provisions and utensils, bottled water, medications.

BEFORE SEASON BEGINS, FIND OUT FROM CIVIL DEFFENSE

The elevation of your home shove mean see level.

The maximum storm surge height in your area.

Except roade in the event of evenculon.

The location of the nearest conflicted tabelter.

How safe your home is - it is not in mobile home, and ways plan to relocate. Inventory of your property for insurance claims. Note: This information should be gathered long before the season starts. Once the starm begins to come towards your area, officials will be too boay to answer all your questions.

WHEN HURRICANE WATCH IS ISSUED.

WEEN HURRICANE WATCH ISSUED ISSUED TO REMAIN IN THE WATCH ISSUED.

WEEN HURRICANE WATCH ISSUED TO REMAIN IN THE WATCH ISSUED TO THE WATCH ISSUED TO

Watchout for LOOSE OR DANGLING POWERLINES. Many remain there are lost by electrocution.

WALK OR DRIVE CAUTIOUSLY

Debts Filled Allocation.

or tropical storms that hit the Texas coast, moved into Texas from Mexico or Louistans, or affected the Texas coast as they passed through the Gulf of Mexico during the period from 1971 to 1973: 1 a tropical cyclone: 44

Texas Hurricane Record

Table extra precautions to prevent fires.
CLEANING UP AFTERWARDS
Notify your insurance representative.
Make temporary repairs to

BEFORE HURRICANE SEASON BEGINS, YOU SHOULD KNOW:

THE ELEVATION OF YOUR HOME ABOVE MEAN SEA

Your local Civil Defense officials can help you obtain information about your elevation. The local Weather Service office can supply flood-stage information for local streams and bayous.

THE MAXIMUM STORM SURGE HEIGHT WHICH MIGHT WHEN A HURRICANE WARNING IS ISSUE
OCCUR IN YOUR AREA
PROMPTLY

OCCUR IN YOUR AREA
Your nearest Weather Service office can tell you the Nighest potential storm surger et each point along the coast and the approximate extent of inland flooding.
THE ROUTE YOU WOULD TRAVEL TO SAFETY IF YOU HAVE TO LEAVE HAVE TO LEAVE Plan your escape route early, and check with local Civil De-tense for the low points and flooding history of your route. THE LOCATION OF THE NEAREST OFFICIAL SHELTER

Civil Defense or Red Cross can locate the shelter nearest your home and explain what you should bring with you. HOW SAFE YOUR HOME IS

If you live near the seashore, plan to relocate during a hurri-cane emergency unless you live in a high-rise above the third floor level. If you live in a mobile home, always plan to re-locate.

NCSIS.
THE INVENTORY OF YOUR PROPERTY

THE INVENTION OF YOUR PROPERTY
To settle your insurance claim should there be loss or damage, it is helpful to have a complete inventory of your personal property. Don't trust your memory. Take photographs both inside and outside to help you remember details. A check list can be obtained from many sources, including your insurance necessentative. Store this information in a high, dry area in a waterproof container or in your safe deposit box along with your insurance policies and other important openers.

papers. WHAT YOUR INSURANCE WILL COVER

ent policies.

IMPORTANT: Do the above before the hurricane season armes in June. Do not walt until a hurricane is brewing in the Gulf, by then it is too late. Your officials will be very busy preparing for the emergency and won't be able to respond to everyone's individual request.

WHEN A HURRICANE WATCH IS ISSUED, CHECK SUPPLIES:

TRANSISTOR RADIO WITH FRESH BATTERIES

FLASHLIGHTS, CANDLES OR LAMPS, MATCHES Store matches in a waterproof container. If you use lanterns or lamps, have sufficient fuel for several days and know how

PROTECT LARGÉ WINDOWS AND OTHER EXPOSED GLASS

GLASS
If shutters are not svallable, board up large windows securely. Tape windows which are not boarded or shuttered to reduce shattering. Draw drappes across windows and patio doors to protect against lighting last shattering does occur.
MOVE SMALL BOATS ON TRAILERS CLOSE TO THE MOUSE

HOUSE
Fill them with water to weight them down. Lash boats securely to trailer and use tie-downs to secure the trailer to the ground or to the house.

CHECK MOORING LINES OF BOATS IN THE WATER, THEN LEAVE THEM MOVE VALUABLES AND PERSONAL PAPERS TO HIGH-EST POINTS

It is good insurance for irreplacable documents to place them in a high spot and, if possible, in a waterproof container. CHECK YOUR SURVIVAL SUPPLIES ONCE AGAIN

IF YOU DECIDE TO REMAIN AT HOME

REMAIN INDOORS

Don't venture out during the full when the eye armives. The full sometimes ends suddenly as winds return from the op-posite direction. Winds can increase to 75 m.p.h. or more in a very few seconds.

### Hurricane Terminology Given Out As Service

Editor's Nota: Although Seguin and Gradatope County is not in a hurricanse threat area, such as based either on the publishing the following data for those persons who may have a weation home on the coast or business or fan when hurricane in swifting around in the Gulf of Medico and danger is imment, a host of terms are generally used in news reports conduction about what each one minent, a host of terms are generally used in news reports confusion about what each one means.

In an emergency, 41's useful to know the difference between confusion about what each one means.

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Organizations and agencies like the Texas Casstal and Marine Council, Texas in a series of the council of the counc

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Hurricane Glossary Helps

In Advance Preparation

### JUN 51975 Institute Stresses Hurricane Readiness

Deer Park Progress Drer Park, Texas

# Terminology As Service Institute Stresses Hurricane Readiness Institute Stresses Hurricane Institute Stresses Hur

Chambers Co. Progress Anahuze, Texas

### Hurricane Awareness Program Underway

Program Underway
In Coastal Xas
Alerting poole to the
destructive power of burricenses, and providing
some precautions that
might be followed, is the
purpose of a program untel area. It is sponsored
by the Texas Coastal and
Marine Council and the
Texas Catastrophe Property linear sace Association (TCPIA).

Texas Catastrophe Property linear sace Association (TCPIA).

Texas Catastrophe Property linear sace of the
survicane swareness program includes a
hurricane survival checklist and a map for seven
areas of the Texas coast.

The checklist mentions
steps to be taken before,
steps to be taken before,
steps to be taken before,
care in order to save lives
and property. The map
shows the potential deager from a burricane by
indicating the sentent of
flooding coused by hurCarles (1961).

The maps are for the
following greas: Beaumont area; Bay City area;
Brownwille area; Corpus
Christi area; Galveston,
For Luveca area. It is
important to refer to oge
of these stress when asking for a map). The surr

Alerting people to the destructive power of hurricanes, and providing some "Hurricane", Box 13407, pre-ceutions that might be followed, is the purpose of a ......



precentions that might be followed, is the purpose of a progrem underway in the Texas coastal area. It is sponsored by the Texas Coastal and Marine Council and the Texas Catastrophe Property Insur-ance Association (TCPIA).

Council and the Texas Catastrophe Property Insurance Association (TCPIA). The hurricane awareness program includes a hurricane incentions steps to be taken before, during and after a hurricane in order to save lives and property. The map show the potential dangar from a hurricane in order to save lives and property. The map show the potential dangar from a hurricane by indicating the extent of flooding caused by hurricanes by indicating the extent of flooding caused by hurricanes building caused by hurricanes building caused by hurricanes are for the following areas: Beaumoni area: Bay City area; Brownsville area; Corpus Christi area; Calveston area; Kingsville area; Corpus Christia area; Calveston are

When a major hurricane is awirling around in the Guil of Mexico and danger is imminent, a host of terms are generally ured in the Guil of Mexico and danger is imminent, a host of terms are generally ured in the Guil of Mexico and danger is imminent, a host of terms are generally ured in the Guil of Mexico and danger is imminent, a host of terms are generally ured in the Guil of Mexico and danger is imminent, a host of terms are generally ured in the Guil of Mexico and danger is imminent, a host of terms are generally ured in the Guillow of Mexico and dillows and dillomal general to know the difference between a "warting" as the mean of the mean and the following diseaser comparation:

Texas Calasti and host of the mean and indement weather. Texas Calasti per persons are awared to take precautions and is avoid entering the general persons, and the precautions and is a constitute, and if craft in a constitute, and if craft in a constitute in the following glossary compiled from the intended of the continuity of the con

movement and prospective threat.

Tropical Depression: A tropical cyclone with sustained winds of less than 39 m.p.h. (34 knots).

Tropical Storm: A tropical cyclone with sustained winds of 39 to 73 m.p.h. (34-63 knots)

Alerting people to the destructive power of

Alerting prople to the destructive power of burricanes and providing some precautions that might be followed, is the purpose of a program underway in the Texas coastal area. It is possored by the Texas Coastal and Marine Council and Froperty I never a case to the Texas program includes a hurricane surress; program includes a hurricane steps to be taken before, during for seven areas of the Texas great and the texas of the texas and the texas the coast. The checklist and a major for seven areas of the Texas great and the texas of the texas and the texas of the texas area for a texas of the texas o



