

accompanied by excessive secretions unless directed by a doctor."

(3) "A persistent cough may be a sign of a serious condition. If cough persists for more than 1 week, tends to recur, or is accompanied by fever, rash, or persistent headache, consult a doctor."

(d) *Directions.* [Reserved]

Interested persons may, on or before September 7, 1982 submit to the Dockets Management Branch (HFA-305), Food and Drug Administration, Rm. 4-62, 5600 Fishers Lane, Rockville, MD 20857, written comments, objections, or requests for oral hearing before the Commissioner on the proposed regulation. A request for an oral hearing must specify points to be covered and time requested. Written comments on the agency's economic impact determination may be submitted on or before November 8, 1982. Three copies of all comments, objections, and requests are to be submitted, except that individuals may submit one copy. Comments, objections, and requests are to be identified with the docket number

found in brackets in the heading of this document and may be accompanied by a supporting memorandum or brief. Comments, objections, and requests may be seen in the above office between 9 a.m. and 4 p.m., Monday through Friday. Any scheduled oral hearing will be announced in the **Federal Register**.

Interested persons, on or before July 11, 1983 may also submit in writing new data demonstrating the safety and effectiveness of those conditions not classified in Category I. Written comments on the new data may be submitted on or before September 9, 1983. These dates are consistent with the time periods specified in the agency's final rule revising the procedural regulations for reviewing and classifying OTC drugs, published in the **Federal Register** of September 29, 1981 (46 FR 47730). Three copies of all data and comments on the data are to be submitted, except that individuals may submit one copy, and all data and comments are to be identified with the docket number found in brackets in the heading of this document. Data and

comments should be addressed to the Dockets Management Branch (HFA-305) (address above). Received data and comments may also be seen in the above office between 9 a.m. and 4 p.m., Monday through Friday.

In establishing a final monograph, the agency will ordinarily consider only data submitted prior to the closing of the administrative record on September 9, 1983. Data submitted after the closing of the administrative record will be reviewed by the agency only after a final monograph is published in the **Federal Register**, unless the Commissioner finds good cause has been shown that warrants earlier consideration.

Dated: April 16, 1982.

Arthur Hull Hayes, Jr.,
Commissioner of Food and Drugs.

Dated: June 7, 1982.

Richard S. Schweiker,
Secretary of Health and Human Services.

[FR Doc. 82-18540 Filed 7-8-82; 8:45 am]

BILLING CODE 4160-01-M

Registered Part Federal Prescription

Friday
July 9, 1982

Part VI

**Department of
Health and Human
Services**

Food and Drug Administration

**Topical Otic Drug Products for Over-the-
Counter Human Use; Tentative Final
Monograph**

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Food and Drug Administration

21 CFR Part 344

[Docket No. 77N-0334]

Topical Otic Drug Products for Over-the-Counter Human Use; Tentative Final Monograph

AGENCY: Food and Drug Administration.
ACTION: Notice of proposed rulemaking.

SUMMARY: The Food and Drug Administration (FDA) is issuing a notice of proposed rulemaking in the form of a tentative final monograph that would establish conditions under which over-the-counter (OTC) topical otic drug products (products for the ear) are generally recognized as safe and effective and not misbranded. FDA is issuing this notice of proposed rulemaking after considering the report and recommendations of the Advisory Review Panel on OTC Topical Analgesic, Antirheumatic, Otic, Burn, and Sunburn Prevention and Treatment Drug Products and public comments on an advance notice of proposed rulemaking that was based on those recommendations. This proposal is part of the ongoing review of OTC drug products conducted by FDA.

DATES: Written comments, objections, or requests for oral hearing before the Commissioner of Food and Drugs on the proposed regulation by September 7, 1982. New data by July 11, 1983. Comments on the new data by September 9, 1983. These dates are consistent with the time periods specified in the agency's final rule revising the procedural regulations for reviewing and classifying OTC drugs, published in the *Federal Register* of September 29, 1981 (46 FR 47730). Written comments on the agency's economic impact determination by November 9, 1982.

ADDRESS: Written comments, objections, or requests for oral hearing to the Dockets Management Branch (HFA-305), Food and Drug Administration, Rm. 4-62, 5600 Fishers Lane, Rockville, MD 20857. New data and comments on new data should also be addressed to the Dockets Management Branch.

FOR FURTHER INFORMATION CONTACT: William E. Gilbertson, Bureau of Drugs (HFD-510), Food and Drug Administration, 5600 Fishers Lane, Rockville, MD 20857, 301-443-4960.

SUPPLEMENTARY INFORMATION: In the *Federal Register* of December 16, 1977 (42 FR 63556) FDA published, under § 330.10(a)(6) (21 CFR 330.10(a)(6)), an advance notice of proposed rulemaking

to establish a monograph for OTC topical otic drug products, together with the recommendations of the Advisory Review Panel on OTC Topical Analgesic, Antirheumatic, Otic, Burn, and Sunburn Prevention and Treatment Drug Products, which was the advisory review panel responsible for evaluating data on the active ingredients in this drug class. Interested persons were invited to submit comments by March 16, 1978. Reply comments in response to comments filed in the initial comment period could be submitted by April 14, 1978.

In accordance with § 330.10(a)(10), the data and information considered by the Panel were put on public display in the Dockets Management Branch (HFA-305), Food and Drug Administration (address above), after deletion of a small amount of trade secret information.

The advance notice of proposed rulemaking, which was published in the *Federal Register* on December 16, 1977 (42 FR 63556), was designated as a "proposed monograph" in order to conform to terminology used in the OTC drug review regulations (21 CFR 330.10). Similarly, the present document is designated in the OTC drug review regulations as a "tentative final monograph." Its legal status, however, is that of a proposed rule. In this tentative final monograph (proposed rule) the FDA states for the first time its position on the establishment of a monograph for OTC topical otic drug products. Final agency action on this matter will occur with the publication at a future date of a final monograph, which will be a final rule establishing a monograph for OTC topical otic drug products.

In response to the advance notice of proposed rulemaking, two drug manufacturer associations, one drug manufacturer, one otolaryngologist, and one consumer group submitted comments. Copies of the comments received are also on public display in the Dockets Management Branch.

This proposal to establish Part 344 (21 CFR Part 344) constitutes FDA's tentative adoption of the Panel's conclusions and recommendations on OTC topical otic drug products as modified on the basis of the comments received and the agency's independent evaluation of the Panel's report. Modifications have been made for clarity and regulatory accuracy and to reflect new information. Such new information has been placed on file in the Dockets Management Branch (address above). These modifications are reflected in the following summary of the comments and FDA's responses to them.

FDA published in the *Federal Register* of September 29, 1981 (46 FR 47730) a final rule revising the OTC procedural regulations to conform to the decision in *Cutler v. Kennedy*, 475 F. Supp 838 (D.D.C. 1979). The Court in *Cutler* held that the OTC drug review regulations (21 CFR 330.10) were unlawful to the extent that they authorized the marketing of Category III drugs after a final monograph had been established. Accordingly, this provision is now deleted from the regulations. The regulations now provide that any testing necessary to resolve the safety or effectiveness issues that formerly resulted in a Category III classification, and submission to FDA of the results of that testing or any other data, must be done during the OTC drug rulemaking process before the establishment of a final monograph (46 FR 47738).

Although it was not required to do so under *Cutler*, FDA will no longer use the terms "Category I," "Category II," and "Category III" at the final monograph stage in favor of the terms "monograph conditions" (old Category I) and "nonmonograph conditions" (old Categories II and III). This document retains the concepts of Categories I, II, and III at the tentative final monograph stage.

The agency advises that the conditions under which the drug products that are subject to this monograph would be generally recognized as safe and effective and not misbranded (monograph conditions) will be effective 12 months after the date of publication of the final monograph in the *Federal Register*. On or after that date, no OTC drug products that are subject to the monograph and that contain nonmonograph conditions, i.e., conditions that would cause the drug to be not generally recognized as safe and effective or to be misbranded, may be initially introduced or initially delivered for introduction into interstate commerce unless they are the subject of an approved new drug application. Further, any OTC drug products subject to this monograph that are repackaged or relabeled after the effective date of the monograph must be in compliance with the monograph regardless of the date the product was initially introduced or initially delivered for introduction into interstate commerce. Manufacturers are encouraged to comply voluntarily with the monograph at the earliest possible date.

In the advance notice of proposed rulemaking for OTC topical otic drug products (published in the *Federal Register* of December 16, 1977 (42 FR 63556)), the agency suggested that the

conditions included in the monograph (Category I) be effective 30 days after the date of publication of the final monograph in the **Federal Register** and that the conditions excluded from the monograph (Category II) be eliminated from OTC drug products effective 6 months after the date of publication of the final monograph, regardless of whether further testing was undertaken to justify their future use. Experience has shown that relabeling of products covered by the monograph is necessary in order for manufacturers to comply with the monograph. New labels containing the monograph labeling have to be written, ordered, received, and incorporated into the manufacturing process. The agency has determined that it is impractical to expect new labeling to be in effect 30 days after the date of publication of the final monograph. Experience has shown also that if the deadline for relabeling is too short, the agency is burdened with extension requests and related paperwork.

In addition, some products will have to be reformulated to comply with the monograph. Reformulation often involves the need to do stability testing on the new product. An accelerated aging process may be used to test a new formulation; however, if the stability testing is not successful, and if further reformulation is required, there could be a further delay in having a new product available for manufacture.

The agency wishes to establish a reasonable period of time for relabeling and reformulation in order to avoid an unnecessary disruption of the marketplace that could not only result in economic loss but also interfere with consumers access to safe and effective drug products. Therefore, the agency is proposing that the final monograph be effective 12 months after the date of its publication in the **Federal Register**. The agency believes that within 12 months after the date of publication most manufacturers can order new labeling and reformulate their products and have them in compliance in the marketplace. However, if the agency determines that any labeling for a condition included in the final monograph should be implemented sooner, a shorter deadline may be established. Similarly, if a safety problem is identified for a particular nonmonograph condition, a shorter deadline may be set for removal of that condition from OTC drug products.

I. The Agency's Tentative Conclusions on the Comments

A. General Comments

1. Two comments urged the agency to recognize the legal status of the

monographs issued under the OTC drug review as being interpretative rather than substantive regulations.

This subject was dealt with in paragraph 85 through 91 of the preamble to the procedures for classification of OTC drug products published in the **Federal Register** of May 11, 1972 (37 FR 9464) and in paragraph 3 of the preamble to the tentative final monograph for antacid drug products, published in the **Federal Register** of November 17, 1973 (38 FR 31260). FDA reaffirms the conclusions stated there. Subsequent court decisions have confirmed the agency's authority to issue substantive regulations by rulemaking. See, e.g., *National Nutritional Foods Association v. Weinberger*, 512 F. 2d 688, 696-98 (2d Cir. 1975); *National Association of Pharmaceutical Manufacturers v. FDA*, 487 F. Supp. 412 (S.D.N.Y. 1980), *aff'd.*, 637 F. 2d 887 (2d Cir. 1981).

2. One comment suggested that FDA should affirm its active support of the Federal Trade Commission (FTC) proposal to limit commercial advertising claims of OTC drugs to the labeling specified in the OTC drug monographs. The comment recommended several statements on OTC drug advertising for inclusion in the topical otic monograph.

In a notice published in the **Federal Register** of May 1, 1981 (46 FR 24584), the FTC announced its decision to terminate the proposal to restrict the terms used in OTC drug advertising to those labeling terms specifically permitted by the OTC drug monographs. Instead of using this across-the-board approach, FTC will review advertising for OTC drugs on a case-by-case basis, taking into consideration the OTC drug review findings on safety and effectiveness in making its decisions. It is thus no longer relevant for FDA to take a position on the FTC proposal. Further, because OTC drug advertising is regulated primarily by the FTC, it would not be appropriate for FDA to include specific statements dealing with advertising in applicable OTC drug monographs.

3. One comment noted the Panel's statement that there is a great need for consumer education regarding ear care and topical otic therapy and expressed concern that the proposed regulations alone will do little to educate the public regarding ear care. The comment recommended that FDA develop a consumer education program on ear care to be released at the same time the final monograph is published.

The comment makes a sound recommendation. FDA has Consumer Affairs Officers who implement consumer education programs in all

parts of the country. Information about the OTC drug review is provided in the consumer drug education program, and the agency will develop information for consumers on ear care and topical otic therapy which will be included in this program.

B. General Comments on Topical Otic Ingredients

4. One comment stated that the Panel supported its conclusions on the safety of carbamide peroxide in anhydrous glycerin as an earwax removal aid on clinical use and marketing experience and not on well-controlled studies. This comment contended that such an approach is in violation of regulations promulgated by FDA.

The agency does not believe that the process by which the Panel concluded that carbamide peroxide in anhydrous glycerin is safe for use as an earwax removal aid is in violation of FDA regulations. The regulations at 21 CFR 330.10(a)(4)(i) state: "Proof of safety shall consist of adequate tests by methods reasonably applicable to show the drug is safe under the prescribed, recommended, or suggested conditions of use. This proof shall include results of significant human experience during marketing. General recognition of safety shall ordinarily be based upon published studies which may be corroborated by unpublished studies and other data."

The Panel's conclusion as to the safety of carbamide peroxide in anhydrous glycerin was arrived at in accordance with the above regulation. The Panel reviewed published studies, as cited in its report, and used clinical and marketing experience to corroborate these studies. The agency believes that the evidence in these studies and the Panel's expertise in evaluating the clinical and marketing experience of carbamide peroxide in anhydrous glycerin are sufficient to establish the safety of this ingredient under its recommended conditions of use as an earwax removal aid.

5. One comment stated that the Panel supported its conclusions on the effectiveness of carbamide peroxide in anhydrous glycerin as an earwax removal aid on clinical use and marketing experience and not on well-controlled studies. The comment argued that such an approach is inadequate, is in violation of FDA regulations, and sets a dangerous precedent with regard to establishing the required burden of proof for other Category I drugs.

Proof of effectiveness, as defined in 21 CFR 330.10(a)(4)(ii), " * * * shall consist of controlled clinical investigations as

defined in § 314.111(a)(5)(ii) of this chapter, unless this requirement is waived on the basis of a showing that it is not reasonably applicable to the drug or essential to the validity of the investigation and that an alternative method of investigation is adequate to substantiate effectiveness.

Investigations may be corroborated by partially controlled or uncontrolled studies, documented clinical studies by qualified experts, and reports of significant human experience during marketing."

The agency agrees that the studies on which the Panel primarily based its conclusion that carbamide peroxide in anhydrous glycerin is effective as an earwax removal aid were not double-blinded or placebo-controlled. However, all patients participating in these studies were examined professionally and found to require removal of earwax. When carbamide peroxide was instilled in affected ears over periods ranging from 3 to 5 days, subsequent irrigation of the ears with lukewarm water was shown to remove earwax from a significant number of the ears tested.

The agency is aware of an additional study, not cited by the Panel, in which 26 patients were treated for bilateral excessive or impacted earwax (Ref. 1). Ten drops of 6.5 percent carbamide peroxide in anhydrous glycerin were instilled into each ear canal twice daily, upon arising and at bedtime, for 6 days followed by syringing the ear canals twice daily for 2 days with lukewarm water and a soft rubber ear syringe. The following day the ear canals were examined by a physician for any evidence of tissue reaction and for the degree of earwax removal. Complete removal of the earwax was achieved in 22 of the 26 patients. In two cases, additional syringing by the physician resulted in complete removal of the earwax. The remaining two patients required a second course of treatment, which resulted in complete removal of the earwax. The author concluded that carbamide peroxide in anhydrous glycerin was a safe, clinically effective, and easily administered agent for the lysis and removal of earwax, without the need for pressure syringing and instrumentation.

The agency believes that the methods of investigation employed in these studies and the results obtained, along with subsequent reports of significant human experience during marketing, justify a waiver of the well-controlled study requirements. Because an earwax removal aid achieves its intended therapeutic effect by means of a mechanical action whose results are

readily ascertainable, these studies are sufficient to establish the effectiveness of carbamide peroxide in anhydrous glycerin as an earwax removal aid.

Reference

(1) Dickstein, B., "A Simplified Approach to Cerumenolysis," *EENT Digest*, 26:1, 1964.

6. One comment contended that the Panel did not rely on controlled studies to support its conclusions on the safety and effectiveness of glycerin as an earwax removal aid.

Glycerin has been adequately demonstrated to be safe for topical use in the ear. However, a thorough review of the data cited by the Panel in support of the effectiveness of glycerin as an earwax removal aid indicates that the only published study referred to was an in vitro study by Senturia and Doubly (Ref. 1) of the effect different vehicles in their action on earwax removed from the human ear canal. Distilled water, hydrogen peroxide (1.5 and 3 percent), and saline solutions (1 and 2 percent) showed immediate reaction with the earwax, and total disintegration occurred in 60 minutes. Glycerin has no effect on the earwax after 60 minutes and showed only surface softening after 24 hours. The authors concluded that glycerin showed little effect upon earwax except that of surface softening. Glycerin has been used by itself in inflammations of the external auditory canal or the middle ear (Ref. 2), and "AMA Drug Evaluations" (Ref. 3) lists glycerin as one ingredient which might be instilled in the ears of patients who have chronic difficulty with impacted earwax; however, it cites no data to support this use. The agency is not aware of any well-controlled studies that demonstrate effectiveness. FDA believes, therefore, that the existing data are not adequate to support the effectiveness of glycerin as an earwax removal aid. The agency is placing glycerin in Category III so that studies may be performed to establish its effectiveness for this indication.

References

(1) Senturia, B. H., and J. A. Doubly, "Treatment of External Otitis," *Laryngoscope*, 57:633-656, 1947.

(2) Osol, A., and R. Pratt, "The United States Dispensary," 27th Ed., J. B. Lippincott Company, Philadelphia, pp. 560-561, 1973.

(3) "AMA Drug Evaluations," 4th Ed., American Medical Association, Publishing Sciences Group, Inc., Littleton, MA, p. 435, 1980.

7. One comment suggested that it is unduly restrictive to limit the carbamide peroxide in anhydrous glycerin to a concentration of 6.5 percent in earwax removal aids. This comment proposed

amending the monograph to allow for a range of 5 to 8 percent carbamide peroxide in anhydrous glycerin.

Only two products containing carbamide peroxide in anhydrous glycerin were submitted to the Panel for review, and both had a carbamide peroxide concentration of 6.5 percent. No evidence was presented to the Panel, and none has been submitted to the agency, to show that a 5- to 8-percent range of carbamide peroxide in anhydrous glycerin would be safe and effective. Thus, the agency cannot propose a concentration range for this ingredient without additional data being provided to support such a range.

C. General Comments on Topical Otic Labeling

8. One comment contended that FDA does not have the authority to legislate the exact wording of OTC labeling claims. The comment stated that limiting the indications to the exact terminology of the monograph is overly restrictive because the Panel itself has used alternate terminology throughout the report in discussing the indications for these products. The comment stated that the following truthful claims could be made for earwax removal aids based on language not recommended by the Panel but contained in or referenced in its report: "to soften and loosen earwax," "to relieve the symptoms of fullness due to the accumulation of earwax," "aids in the removal of accumulated earwax," "mechanically softens and loosens earwax so that it can be washed out of the ear canal by irrigation with warm water," "mild mechanical action," "aids in the removal of earwax," and "topical earwax softening agent." The comment requested that more flexibility in labeling be permitted by adding to the approved indications a statement as follows: "* * * or similar indications statements which are in keeping with the Panel's report."

Since the inception of the OTC drug review, the agency has maintained that a monograph describing the conditions under which an OTC drug will be generally recognized as safe and effective and not misbranded must include both specific active ingredients and specific labeling. (This policy has become known as the "exclusivity rule.") The agency's position has been that it is necessary to limit the acceptable labeling language to that developed and approved through the OTC drug review process in order to ensure the proper and safe use of OTC drugs. The agency has never contended, however, that any list of terms developed during the course of the

review literally exhausts all the possibilities of terms that appropriately can be used in OTC drug labeling. Suggestions for additional terms or for other labeling changes may be submitted as comments to proposed or tentative final monographs within the specific time periods or through petitions to amend monographs under 21 CFR § 330.10(a)(12). For example, the labeling proposed in this tentative final monograph has been expanded and revised in response to comments received.

During the course of the review, FDA's position on the "exclusivity rule" has been questioned many times in comments and objections filed in response to particular proceedings and in correspondence with the agency. The agency has also been asked by the Proprietary Association to reconsider its position. To assist the agency in resolving this issue, FDA plans to conduct an open public forum on September 29, 1982 where all interested parties can present their views. The forum will be a legislative type administrative hearing under 21 CFR Part 15 that will be held in response to a request for a hearing on the tentative final monograph for nighttime sleep-aids (published in the *Federal Register* of June 13, 1978; 43 FR 25544). Details of the hearing were announced in a notice published in the *Federal Register* of July 2, 1982 (47 FR 29002). In proposed and tentative final monographs issued in the meantime, the agency will continue to state its longstanding policy.

As discussed below in comment 12, FDA is proposing to modify the Panel's recommended indication statement in § 344.50(b). In light of the Panel's use of alternative terminology throughout its report, the agency has reviewed the other claims noted in the comment. FDA believes that a number of these statements are consistent with the labeling message that the Panel intended to convey and that these statements, with slight modifications to ensure accurate reflection of the agency's and Panel's positions on labeling of OTC topical otic drug products, will provide the consumer with meaningful information on the labeling of earwax removal aid drug products. Accordingly, a new § 344.50(b)(2) entitled "Other allowable statements" is being proposed in this tentative final monograph. The following statements, as included in this section, may also be made on the labeling of earwax removal aid drug products:

"Softens and loosens excessive earwax."

"Aids in the removal of accumulated earwax."

"Aids in the removal of excessive earwax."

"Topical earwax softening and loosening agent."

The phrases "mild mechanical action" and "mechanically softens and loosens earwax" have not been included in § 344.50(b). (See comment 13 below.) The claim "to relieve the symptoms of fullness due to the accumulation of earwax" also has not been included in § 344.50(b). (See comment 15 below.)

9. Comments contended that experience in mass communication was not a criterion for scientific advisory panelists participating in the OTC drug review and questioned whether some of the terminology used in the labeling for OTC topical otic products could be understood by the ordinary individual in accordance with 21 CFR 330.10(a)(4)(v). One of the comments suggested that FDA consult with behavioral scientists and linguistic experts to help translate the technical language, which is used both in the labeling and in other portions of the Panel report, into lay language that the average consumer can understand. Another comment stated that FDA should leave the implementation of labeling language to the industry, which has had years of experience developing terminology generally understood by the public.

Since its inception, the OTC drug review has focused on developing labeling of OTC drug products that can be understood by the average consumer. While the agency acknowledges that professional experience in mass communication was not a criterion for participation in the OTC drug advisory review panels, the clinical background of the physicians, pharmacists, and other health professionals on each panel involved direct experience with patients and an awareness of the terms used by them to refer to their symptoms. In addition to members of the scientific and medical communities, each panel included representatives from industry and consumer groups and thus had access to the experience of these groups in mass communication of medical terminology. Finally, any citizen interested in doing so could participate in the OTC drug review by presenting views at panel meetings, and now that the Panels have concluded their reviews, by commenting on advance notices of proposed rulemaking or by commenting or objecting to tentative final monographs proposed by the agency. As mentioned in comment 8 above, a number of changes in the Panel's recommended labeling of topical

otic drug products have been incorporated into the agency's proposed labeling as a result of comments received. The agency urges anyone having suggestions for making the labeling language used in the topical otic final monograph more understandable to the average consumer to submit these suggestions in comments responding to this document. After a final monograph for topical otic drug products is issued, such suggestions may be made in the form of a petition to amend the monograph according to the procedures described in 21 CFR 10.30.

10. One comment expressed concern about the minimal discussion on labeling in the Panel's report and stated that a position on labeling should be made explicit by FDA. The comment provided a "Labeling General Statement" which it recommended be adopted by the agency. This labeling statement contains a general discussion of Categories I, II, and III, what labeling must contain to be acceptable, the function of FDA to clarify labeling, the role of the FDA in approving labeling for OTC drug products, the use of labeling indicating superiority of one product over another, the use of extra strength claims in labeling, other misleading superiority claims, claims implying a unique action, and claims relating to time that do not actually relate to the directions or indications, e.g., claims such as "fast" or "prompt."

The "Labeling General Statement" recommended by the comment embodies many principles beyond the scope of the topical otic monograph. Section 330.10(a)(4)(v) (21 CFR 330.10(a)(4)(v)) of the general regulations for classifying OTC drugs states the agency's general labeling standards for OTC drug products. In its report, the Panel has provided a general discussion of Categories I, II, and III; specified the indications, directions for use, and the warnings for the labeling of OTC topical otic drug products; and identified those labeling claims (Category II) that it considers to be misleading and unsupported by scientific data and (in some instances) unsupported by sound theoretical reasoning. The agency believes that the labeling discussion in the Panel's report is adequate and disagrees with the comment that the labeling discussion is minimal. The agency also disagrees with the need for the "Labeling General Statement" recommended by the comment because existing FDA regulations already state the agency's labeling requirements. In addition, most panels have specifically addressed a number of the issues contained in the "Labeling General

Statement" as these issues apply to the ingredients reviewed by the respective panels. In sum, the agency believes that the labeling statements proposed in this tentative final monograph are adequate for consumers to use OTC topical otic drug products safely and effectively.

11. One comment stated that the signal word "warning" is too strong for the types of cautionary statements required in labeling of topical otic drug products and suggested that the term "caution" be used instead. This comment argued that the word "warning" should be used only on certain other types of consumer products to highlight imminent physical hazards associated with normal storage or use of products such as household cleaners, polishes, insecticides, or products marketed as aerosols. This comment suggested that the Panel's recommendation § 344.50(c) be revised to read as follows:

"Cautions. The labeling of the product shall contain the following cautionary statements under the heading 'Cautions.'

This comment also suggested that in § 344.50(c)(ii) the signal word "caution" should be deleted as redundant because in no event should two signal words be necessary.

Section 502(f)(2) of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 352(f)(2)) states, in part, that any drug marketed OTC must bear in labeling " * * * such adequate warnings * * * as are necessary for the protection of users." Section 330.10(a)(4)(v) of the OTC drug regulations provides that labeling of OTC drug products shall state " * * * warnings against unsafe use, side effects, and adverse reactions * * * "

The agency notes that historically there has not been a consistent usage of the signal words "warning" and "caution" in OTC drug labeling. For example, in §§ 369.20 and 369.21 (21 CFR 369.20 and 369.21), which list "warning" and "caution" are both used. In some instances either of these signal words is used to convey the same or similar precautionary information.

FDA has considered which of these signal words would be most likely to attract consumers' attention to that information describing conditions under which the drug product should not be used or its use should be discontinued. The agency concludes that the signal word "warning" is more likely to flag potential dangers so that consumers will read the information being conveyed. Therefore, FDA has determined that the signal word "warning," rather than the word "caution," will be used routinely in OTC drug labeling that is intended to

alert consumers to potential safety problems.

12. One comment questioned whether the term "obstructive" could be understood by the average consumer.

The Panel used the phrase "obstructive earwax" in its recommended indication for topical otic drug products to indicate that these products were intended only for use by individuals who have a tendency to accumulate excessive earwax that needs to be removed occasionally and that these products were not to be used for routine ear cleansing. The agency agrees with the comment that the term "obstructive" may not be understood by the average consumer and therefore is proposing the term "excessive" instead. In keeping with the Panel's intention and with the agency's goal of providing understandable wording, the agency is proposing in this tentative final monograph to revise the indication statement in § 344.50(b) to read as follows: "For occasional use as an aid in the removal of excessive earwax."

13. One comment suggested that the phrase "mild mechanical action to soften and loosen earwax" be added to the monograph as an allowable indication for OTC earwax removal aids because the Panel itself had used this terminology in describing such ingredients in the report.

The Panel used the term "mechanically softens and loosens" to distinguish agents which dissolve earwax from those which soften and loosen earwax so that it may be removed by irrigating the affected ear. The agency believes that the use of the words "mild mechanical action" to describe the mode of action of earwax removal aids would have no meaning to consumers. Therefore, a phrase describing these products as having a mild mechanical action will not be added to the monograph. However, because the phrase "softens and loosens excessive earwax" accurately describes the action of these products, the agency will allow use of this phrase on the labeling of OTC topical otic drug products. As described in comment 8 above, a new § 344.50(b)(2), entitled "Other allowable statements," has been proposed in the tentative final monograph.

14. One comment questioned why the Panel placed the indication "removal and softening of earwax" in Category II because, but for a few words, the phrase is almost identical to the allowable Category I indication.

The agency points out that the Panel included the statement referred to in the comment in its discussion of the use of anesthetics and analgesics in OTC

topical otic drug products. The above indication was one of six claims the Panel classified as Category II for topical otic anesthetics and analgesics, not for earwax removal agents. The Panel concluded, and the agency concurs, that the use of analgesics and anesthetics in the ear should be restricted to prescription use, and, therefore, ingredients and claims for these uses are placed in Category II.

15. Several comments proposed that the labeling be amended to include an additional indication "To relieve symptoms of fullness due to an excessive accumulation of earwax." These comments noted that this indication was included in the general discussion of the Panel report. One comment contended that the warning "if symptoms of fullness persist, consult a physician" is only suitable if "relief of the symptoms of fullness" is allowed as an indication. Another comment stated that the term "fullness" is unclear and confusing in the context in which it is used.

As the comments pointed out, the Panel recognized that an excessive accumulation of earwax could cause symptoms of fullness in the ear canal. However, the agency believes that the word "fullness," when used to describe an ear symptom, lacks precise meaning for most consumers. The agency is concerned that consumers might consider the symptoms of ear conditions that are more serious than excessive earwax as symptoms of fullness and thus risk the consequences of nondiagnosis and mistreatment. Therefore, the agency proposes that "symptoms of fullness" not be allowed as an indication for OTC earwax removal aids, and, correspondingly, proposes that the warning, "if symptoms of fullness persist, consult a physician," be deleted.

However, the agency believes that the labeling should state that, if the wax is not removed after using the product, the user should consult a physician. In the Panel report, it is clear that impacted earwax that cannot be removed with OTC earwax softening agents should be treated by a physician who may use agents that dissolve earwax or instruments which are not suitable for OTC use. In addition, the agency believes that the word "doctor" is more commonly used and more readily understood by consumers than the word "physician." Therefore, the agency is proposing that the warning statement, "if symptoms of fullness persist, consult a physician" be replaced by the statement: "If excessive earwax remains after use of this product, consult a

doctor." (See part II, paragraph 6, below.)

16. One comment recommended that "for use as an aid in the prevention of swimmer's ear" be included in the topical otic monograph as an indication for OTC topical otic ingredients. Also, a physician requested that the ingredient propylene glycol be included in the topical otic monograph for the prevention and treatment of swimmer's ear because he had been successfully using the ingredient for this purpose for the past 2 years. The comment included dosage instructions that the physician routinely provided to patients.

The Panel reviewed treatment of "swimmer's ear" and placed this indication in Category II as inappropriate for an OTC topical otic product. The Panel considered "swimmer's ear" to be an infection of the external ear and not amenable to self-diagnosis and self-treatment. FDA concurs. The Panel did not, however, specifically address the claim of prevention of swimmer's ear, nor did it review any product containing propylene glycol as an active ingredient for this use. The Panel stated that "swimmer's ear" is apparently due to excessive moisture in the external auditory meatus, which may be the result of various causes. Because the external auditory canal is a cul-de-sac well suited for the collection of moisture, and "swimmer's ear" occurs with greater frequency during hot, humid weather and has been reported to occur in divers and swimmers, it is possible that propylene glycol may be useful in preventing swimmer's ear because it absorbs moisture. However, the agency has not received any clinical data demonstrating that propylene glycol or any other ingredient is generally recognized as safe and effective in preventing swimmer's ear. The information provided by the comment was only testimonial. Hence, currently there is no basis to include prevention of swimmer's ear as an indication for OTC topical otic drug products. If clinical data are developed, they may be submitted within 12 months after the publication of this tentative final monograph, or thereafter in the form of a petition to amend the monograph as described in 21 CFR 10.30.

17. One comment objected to the Panel's recommended use restriction in § 344.50(c)(viii), "Do not use in children under 12 years without consulting a physician," as unwarranted and recommended that the age restriction be lowered to children under 2 years of age. In support of its position, the comment submitted two journal articles

describing the use of 6.5 percent carbamide peroxide in anhydrous glycerin in children (Refs. 1 and 2).

The agency notes that the studies submitted with this comment dealt with professionally supervised use of carbamide peroxide in anhydrous glycerin in children's ears. In both studies, the children were examined by physicians prior to treatment to determine that they had excessive earwax, and the parents of the children were given specific instructions by the physician on how to use the preparation. After the treatment, the children were reexamined to determine whether any further treatment was necessary. The Panel believed that if the product is used in children it should be under the advice and supervision of a physician. The Panel was concerned that some parents would use these products unnecessarily to clean their children's ears routinely, and the agency shares this concern. The agency also believes, based on the studies cited above, that an earwax removal aid should not be used in children unless a physician has made a determination that there is a need to use such a product. The Panel addressed this point by recommending that the directions section of the labeling (§ 344.50(d)) include the statement: "For children under 12 years of age, there is no recommended dosage except under the advice and supervision of a physician." The agency believes that this statement can be shortened to read as follows: "For children under 12 years of age, consult a doctor." The agency also believes that, with this statement in the directions for use, there is no need for a similar statement in the warnings in § 344.50(c)(viii). Accordingly, the agency is proposing in this tentative final monograph to delete the statement from the warnings section.

References

- [1] Dickstein, B., "A Simplified Approach to Cerumenolysis," *EENT Digest*, 26:1, 1964.
- [2] Cunningham, J. M., "Clinical Evaluation of a Ceruminolytic Agency," *General Practice*, 26:11-12, 1963.

18. One comment suggested that the Panel's recommended warning in § 344.50(c)(v), "For external use only, not to be swallowed," should be deleted. This comment argued that neither ingredient proposed to be classified in Category I poses a serious risk if ingested and stated that the phrase "for external use" would confuse consumers, many of whom would not consider use in the ears to be an external use.

The agency agrees with the comment that carbamide peroxide in anhydrous glycerin does not pose a serious risk if

ingested and that the use of the phrase "for external use only" labeling of OTC topical otic preparations may be confusing to consumers. Accordingly, the agency is proposing in this tentative final monograph to delete the warning "For external use only, not to be swallowed," and to add the statement "FOR USE IN THE EAR ONLY" to the directions for use to state clearly that the product is to be used only in the ear. To emphasize the importance of this direction, the agency proposes that this statement should be printed in capital letters.

19. One comment questioned whether the words "drainage" and "perforation," as used by the Panel in its recommended warnings, would be understood by the average consumer since they are infrequently used in everyday conversation.

The agency believes that these words would not be readily understood by the average consumer. Therefore, to explain the meanings of these terms, the agency has added to the Panel's warning the word "hole" in parentheses after "ear drum perforation," and the words "or discharge" after the term "drainage."

20. One comment recommended the addition of a warning: "Do not use whenever an (ear) infection is suspected."

The Panel did not believe that a consumer would be able to self-diagnose an ear infection. Therefore, instead of using the word "infection," the Panel listed in the warnings the common symptoms of ear infections, such as ear pain and ear drainage. The agency believes that the Panel's recommended warning in § 344.50(c)(ii) as amended in this tentative final monograph [now § 344.50(c)(1)] is adequate, and that the warning suggested in the comment would be redundant. Accordingly, FDA has not added this warning to the tentative final monograph.

21. A comment objected to the Panel's recommended warning in § 344.50(c)(iii) not to use topical otic drug products following ear surgery. This comment contended that ear surgery should not preclude the use of a topical otic drug product forever and suggested that the warning should be revised to have a time limit of 6 weeks following ear surgery.

The agency agrees with the comment that it may be unnecessary to ban forever the use of these products following ear surgery. However, the time period of restriction from use will vary depending on the type of surgery performed. Therefore, the decision when to use a topical otic drug product following ear surgery should be made by

the patient's physician. The agency believes that the warning should not be revised to state a specific time period during which these drug products should not be used following ear surgery. However, the agency is proposing in this tentative final monograph that the warning recommended by the Panel in § 344.50(c)(iii) be modified to state that these products should be used after ear surgery only if directed by a doctor. (See comment 22 below.)

22. Several comments stated that some of the phrases in the warnings were redundant. One comment suggested a statement be added to the monograph which would allow for the general warnings to be combined when the intent of the warnings is not affected. Another comment suggested that three warning statements recommended by the Panel (§ 344.50(c)(ii), (iii), and (iv)) be combined and revised to read as follows:

(1) "Do not use in the presence of ear drainage, pain, or dizziness, or whenever an infection is suspected. If these develop, consult a physician."

(2) "Do not use in the presence of known injury or perforation (hole) of the ear drum or within six weeks following ear surgery except under the advice and supervision of a physician."

The agency agrees with the comments that some of the warnings could be combined without losing their intent. However, the references to ear infection and the 6-week period following ear surgery are not being adopted, as explained above in comments 20 and 21. The agency believes that the warning recommended by the Panel in § 344.50(c)(vii), "Discontinue use if irritation or rash appears," can be incorporated into the suggested revision of § 344.50(c)(ii) (which appears in this tentative final monograph as § 344.50(c)(1)) without changing the intent. Accordingly, the agency proposes in this tentative final monograph that the first two statements under the heading "Warnings" in § 344.50(c) read as follows:

(1) "Do not use if you have ear drainage or discharge, ear pain, irritation or rash in the ear, or are dizzy; consult a doctor."

(2) "Do not use if you have an injury or perforation (hole) of the ear drum or after ear surgery unless directed by a doctor."

23. One comment expressed a belief that the consumer should be informed of the improper uses of topical otic drug products. It suggested that because misuse can lead to harmful aftereffects a warning should be added listing the symptoms for which the consumer ought

not to use topical otic drug products. The comment proposed the following warning: "Warning: Avoid using to relieve minor irritation or pain for raw, inflamed tissues, swimmer's ear, anethetizing, or itching."

The agency believes that the comment has misinterpreted the requirements for OTC drug labeling as set forth in § 330.10(a)(4)(v). It is not necessary or even possible for the agency to identify every improper use of a drug that could occur and to require the listing of such information on the OTC drug product label. FDA believes that the indications for use and the warnings proposed in this tentative final monograph are adequate to inform the consumer of the proper use of these products.

24. Several comments objected to the Panel's recommendation in § 344.50(d), which directs the user to "Place sufficient drops into affected ear and allow to remain at least 15 minutes." These comments contended that the term "sufficient" is too vague and could result in unnecessary underdosage or overdosage. One comment expressed the belief that it would be more meaningful and accurate to give the dosage in numbers of drops, e.g., 5 to 10 drops, and suggested revising the directions for administering the drops as follows: "Tilt head sideways and place 5 to 10 drops into ear. Tip of applicator should not enter ear canal. Keep drops in ear for several minutes by keeping head tilted or by inserting cotton."

The agency agrees with this suggestion. Stating the amount is much more precise and is safer for the consumer. Also, the use of "5 to 10 drops" is consistent with the amount used in the studies reviewed by the Panel. Therefore, the agency is proposing that the directions in § 344.50(d) be modified accordingly. For additional clarity, the agency is changing the words "inserting cotton" to "placing cotton in the ear."

25. Comments objected to the Panel's recommendation in § 344.50(d) that direct the user to "Remove wax by gentle washing with lukewarm water using a soft rubber syringe. May be repeated a second time if necessary." One comment questioned whether the average consumer would know the meaning of the term "soft rubber syringe." Another comment cautioned that the use of an irrigation syringe should be discouraged when possible and its use indicated as an adjunct only for the removal of accumulated cerumen in difficult cases. The comment stated that in the case of carbamide peroxide in anhydrous glycerin it is not always necessary to use an irrigation syringe to remove the earwax. The comment stated

that the mechanical effect of effervescence of carbamide peroxide loosens debris and in many cases this mechanical effect has been shown to accomplish removal of the earwax and debris without use of an irrigation syringe. The comment recommended extending the duration of treatment to 3 or 4 days and delaying the use of an irrigation syringe until the end of the treatment period, making clear that even then the use of an ear syringe should be optional. The comment suggested the following revision in directions for use of preparations containing carbamide peroxide in anhydrous glycerin: "Repeat twice daily for at least 3 to 4 days or as directed by a physician. Any remaining wax may be removed by gently flushing with warm water, using a soft rubber bulb ear syringe."

FDA agrees that "soft rubber bulb ear syringe" is a more meaningful term for the average consumer than the term "soft rubber syringe." The agency also concurs with the comment that the use of an irrigation syringe in the ear should be limited as much as possible and that the ear drops may be used for 3 to 4 days. FDA proposes to use the phrase "for up to 4 days if needed." With this modification, the agency accepts the revision suggested by the comment and proposes to revise § 344.50(d) to include the following as part of the directions for use: "Use twice daily for up to 4 days if needed, or as directed by a doctor. Any wax remaining after treatment may be removed by gently flushing the ear with warm water, using a soft rubber bulb ear syringe."

In addition, the agency believes that the failure to obtain relief after 4 days of treatment with an earwax removal aid could indicate a more serious condition for which the patient should consult a doctor. Accordingly, the agency is proposing the following additional warning in § 344.50(c)(3): "Do not use for more than 4 days; if excessive earwax remains after use of this product, consult a doctor."

II. The Agency's Tentative Adoption of the Panel's Report

A. Summary of Ingredient Categories and Testing of Category II and Category III Conditions

1. *Summary of ingredient categories.* The agency has reviewed all claimed active ingredients submitted to the Panel, as well as other data and information available at this time, and concurs with the Panel's categorization of carbamide peroxide in anhydrous glycerin in Category I and antipyrine and benzocaine in Category II. The

Panel also placed glycerin in Category I. FDA is proposing reclassification of glycerin in Category III because of a lack of sufficient data to demonstrate effectiveness.

2. *Testing of Category II and Category III conditions.* The agency notes that, because the Panel did not place any ingredients in Category III, it did not recommend any testing guidelines for Category III topical otic conditions. Interested persons may communicate with the agency about the submission of data and information to demonstrate the safety or effectiveness of any topical otic ingredient or condition included in the review by following the procedures outlined in the agency's policy statement published in the *Federal Register* of September 29, 1981 (46 FR 47740). This policy statement includes procedures for the submission and review of proposed protocols, agency meetings with industry or other interested persons, and agency communications on submitted test data and other information.

B. Summary of the Agency's Changes in the Panel's Recommendations

FDA has considered the comments and other relevant information and concludes that it will tentatively adopt the Panel's report and recommended monograph with the changes described in FDA's responses to the comments above and with other changes described in the summary below. A summary of the changes made in the Panel's conclusions and recommendations follows.

1. As mentioned above, the Panel placed glycerin in Category I as an ear wax removal aid. FDA is proposing reclassification of glycerin in Category III for effectiveness. This reclassification is discussed in the agency's response to comment 6 above.

2. In its report and recommended monograph, the Panel often referred to the active ingredient as carbamide peroxide in glycerin with subsequent discussion clarifying that the anhydrous form of glycerin is the vehicle to be used. Glycerin is glycerin U.S.P., which has a moisture content of approximately 5 percent, and anhydrous glycerin is an ingredient that may be prepared by heating glycerin U.S.P. at 150° C for 2 hours to drive off the moisture content (Ref. 1). The agency wishes to clarify that the active ingredient should correctly be referred to as carbamide peroxide formulated in an anhydrous glycerin vehicle.

Reference

- (1) Martin, E. W., "Dispensing of Medications," 7th Mack Publishing Co., Easton, PA, p. 284, 1971.

3. The agency is redesignating proposed Subpart D of the monograph as Subpart C and placing the labeling sections under Subpart C.

4. The Panel recommended that the labeling of the product should identify the product as an "earwax softening agent." FDA is proposing that it would be more appropriate to identify the product as an "earwax removal aid" and to allow the phrase "softens and loosens excessive earwax" as another allowable statement in labeling (see comment 13 above).

5. The Panel's definitions of "age (dosage) usage" and "cerumen" have been deleted as unnecessary because these terms are not used in the tentative final monograph, a definition of "anhydrous glycerin" has been proposed, and a definition of "earwax removal aid" has replaced the definition of "earwax softening agent."

6. The Panel recommended the classification of one labeling indication and eight warnings as Category I labeling. To simplify and clarify the labeling, FDA is proposing to modify the Panel's labeling indication and directions for use, delete two warnings and add one, and combine or otherwise modify the other warnings so that the OTC topical otic drug monograph now requires four labeling warnings. In addition, the agency is proposing to use the signal word "warning" instead of the signal word "caution" in labeling. The agency has also expanded the labeling by proposing "Other allowable statements," which may be used in addition to required labeling language. The labeling modifications are discussed in comments 8 through 25 above.

7. In several of its recommended warnings, the Panel used the phrase "consult physician." This phrase has been consistently used in OTC drug labeling as advice to the consumer in case of symptoms that indicate a condition that cannot be self-treated. Believing that the word "doctor" is more commonly used and better understood by consumers, the agency is substituting "doctor" for "physician" in the warnings appearing in the tentative final monograph. These changes are proposed as part of a continuing effort to achieve OTC labeling language that is simple, clear, and accurate, in keeping with § 330.10(a)(4)(v), (21 CFR 330.10(a)(4)(v)), which states in part, "Labeling * * * shall state the intended uses and results of the product; adequate directions for proper use; and warnings against unsafe use, side effects, and adverse reactions in such terms as to render them likely to be read and understood by the ordinary individual, including individuals of low

comprehension, under customary conditions of purchase and use." If the phrases "consult a doctor" and "unless directed by a doctor" are adopted in the final monograph for topical otic drug products, the agency proposes to use this language in other final monographs and other applicable OTC drug regulations, and will propose amendments to those regulations accordingly. Public comment on the proposed changes in labeling language is invited.

The agency has examined the economic consequences of this proposed rulemaking and has determined that it does not require either a Regulatory Impact Analysis, as specified in Executive Order 12291, or a Regulatory Flexibility Analysis, as defined in the Regulatory Flexibility Act (Public Law 96-354). Specifically, it would leave carbamide peroxide, the active ingredient used in currently marketed OTC ear wax removal aid drug products, in Category I; move glycerin, currently not used in any of these products, to Category III; and leave analgesics in Category II. The only reformulation necessary would involve products containing analgesics; however, many of these products have already been reformulated. Necessary relabeling will not result in minimal costs because manufacturers will have 12 months from the date of publication of the final monograph to use existing stocks of labels and print new ones. Therefore, the agency concludes that the proposed rule is not a major rule as defined in Executive Order 12291. Further, the agency certifies that the proposed rule, if implemented, will have a significant economic impact on a substantial number of small entities, as defined in the Regulatory Flexibility Act.

The agency invites public comment regarding any substantial or significant economic impact that this rulemaking would have on OTC topical otic drug products. Types of impact may include, but are not limited to, costs associated with product testing, relabeling, repackaging, or reformulating. Comments regarding the impact of this rulemaking on OTC topical otic drug products should be accompanied by appropriate documentation. Because the agency has not previously invited specific comment on the economic impact of the OTC drug review on topical otic drug products, a period of 120 days from the date of publication of this proposed rulemaking in the *Federal Register* will be provided for comments on this subject to be developed and submitted. The agency will evaluate any comments and supporting data that are

received and will reassess the economic impact of this rulemaking in the preamble to the final rule.

The agency has determined that under 21 CFR 25.24(d)(9) (proposed in the Federal Register of December 11, 1979; 44 FR 71742) this proposal is of a type that does not individually or cumulatively have a significant impact on the human environment. Therefore, neither an environmental assessment nor an environmental impact statement is required.

List of Subjects in 21 CFR Part 344

OTC drugs: Topical otic drug products.

Therefore, under the Federal Food, Drug, and Cosmetic Act (secs. 201(p), 502, 505, 701, 52 Stat. 1041-1042 as amended, 1050-1053 as amended, 1055-1056 as amended by 70 Stat. 919 and 72 Stat. 948 (21 U.S.C. 321(p), 352, 355, 371)), and the Administrative Procedure Act (secs. 4, 5, and 10, 60 Stat. 238 and 243 as amended (5 U.S.C. 553, 554, 702, 703, 704)), and under 21 CFR 5.11 as revised (see 47 FR 16010; April 14, 1982)), it is proposed that Subchapter D of Chapter I of Title 21 of the Code of Federal Regulations be amended to add new Part 344 to read as follows:

PART 344—TOPICAL OTIC DRUG PRODUCTS FOR OVER-THE-COUNTER HUMAN USE

Subpart A—General Provisions

Sec.
344.1 Scope.
344.3 Definitions.

Subpart B—Active Ingredients

344.10 Topical otic active ingredient.

Subpart C—Labeling

344.50 Labeling of topical otic drug products.

Authority: Secs. 201(p), 502, 505, 701, 52 Stat. 1041-1042 as amended, 1050-1053 as amended, 1055-1056 as amended by 70 Stat. 919 and 72 Stat. 948 (21 U.S.C. 321(p), 352, 355, 371); secs. 4, 5, and 10, 60 Stat. 238 and 243 as amended (5 U.S.C. 553, 554, 702, 703, 704).

Subpart A—General Provisions

§ 344.1 Scope.

(a) An over-the-counter topical otic drug product in a form suitable for topical administration is generally recognized as safe and effective and is not misbranded if it meets each of the conditions in this part in addition to each of the general conditions established in § 330.1.

(b) References in this part to regulatory sections of the Code of Federal Regulations are to Chapter I of Title 21 unless otherwise noted.

§ 344.3 Definitions.

As used in this part:

(a) *Anhydrous glycerin*. An ingredient that may be prepared by heating glycerin U.S.P. at 150° C for 2 hours to drive off the moisture content.

(b) *Earwax removal aid*. A drug used in the external ear canal that aids in the removal of excessive earwax.

Subpart B—Active Ingredients

§ 344.10 Topical otic active ingredient.

The active ingredient of the product consists of carbamide peroxide 6.5 percent formulated in an anhydrous glycerin vehicle.

Subpart C—Labeling

§ 344.50 Labeling of topical otic drug products.

(a) *Statement of identity*. The labeling of the product contains the established name of the drug, if any, and identifies the product as an "earwax removal aid."

(b) *Indications*. The labeling of the product contains a statement of the indications under the heading "Indications" that is limited to the following phrase:

(1) "For occasional use as an aid in the removal of excessive earwax."

(2) *Other allowable statements*. In addition to the required information specified in paragraphs (a), (b)(1), (c) and (d) of this section, the labeling of the product may contain any of the following statements provided such statements are neither placed in direct conjunction with information required to appear in the labeling nor occupy labeling space with greater prominence or conspicuousness than the required information.

(i) "Softens and loosens excessive earwax."

(ii) "Aids in the removal of accumulated earwax."

(iii) "Aids in the removal of excessive earwax."

(iv) "Tropical earwax softening and loosening agent."

(c) *Warnings*. The labeling of the product contains the following warnings under the heading "Warnings":

(1) "Do not use if you have ear drainage or discharge, ear pain, irritation or rash in the ear or are dizzy; consult a doctor."

(2) "Do not use if you have an injury or perforation (hole) of the ear drum or after ear surgery unless directed by a doctor."

(3) "Do not use for more than 4 days; if excessive earwax remains after use of this product, consult a doctor."

(4) "Avoid contact with the eyes."

(d) *Directions*. The labeling of the product contains the following statement under the heading "Directions": "FOR USE IN THE EAR ONLY. Adults and children over 12 years of age: Tilt head sideways and place 5 to 10 drops into ear. Tip of applicator should not enter ear canal. Keep drops in ear for several minutes by keeping head tilted or placing cotton in the ear. Use twice daily for up to 4 days if needed, or as directed by a doctor. Any wax remaining after treatment may be removed by gently flushing the ear with warm water, using a soft rubber bulb ear syringe. Children under 12 years of age: consult a doctor."

Interested persons may, on or before September 7, 1982 submit to the Dockets Management Branch (HFA-305), Food and Drug Administration, Rm. 4-62, 5600 Fishers Lane, Rockville, MD 20857, written comments, objections, or requests for oral hearing before the Commissioner on the proposed regulation. A request for an oral hearing must specify points to be covered and time requested. Written comments on the agency's economic impact determination may be submitted on or before November 9, 1982. Three copies of all comments, objections, and requests are to be submitted, except that individuals may submit one copy. Comments, objections, and requests are to be identified with the docket number found in brackets in the heading of this document and may be accompanied by a supporting memorandum or brief. Comments, objections, and requests may be seen in the above office between 9 a.m. and 4 p.m., Monday through Friday. Any scheduled oral hearing will be announced in the Federal Register.

Interested persons, on or before July 11, 1983, may also submit in writing new data demonstrating the safety and effectiveness of those conditions not classified in Category I. Written comments on the new data may be submitted on or before September 9, 1983. These dates are consistent with the time periods specified in the agency's final rule revising the procedural regulations for reviewing and classifying OTC drugs, published in the Federal Register of September 29, 1981 (46 FR 47730). Three copies of all data and comments on the data are to be submitted, except that individuals may submit one copy, and all data and comments are to be identified with the docket number found in brackets in the heading of this document. Data and comments should be addressed to the Dockets Management Branch (HFA-305) (address above). Received data and

comments may also be seen in the above office between 9 a.m. and 4 p.m., Monday through Friday.

In establishing a final monograph, the agency will ordinarily consider only data submitted prior to the closing of the administrative record on September 9, 1983. Data submitted after the closing of the administrative record will be reviewed by the agency only after a final monograph is published in the **Federal Register** unless the Commissioner finds good cause has been shown that warrants earlier consideration.

Dated: May 17, 1982.

Arthur Hull Hayes, Jr.,

Commissioner of Food and Drugs.

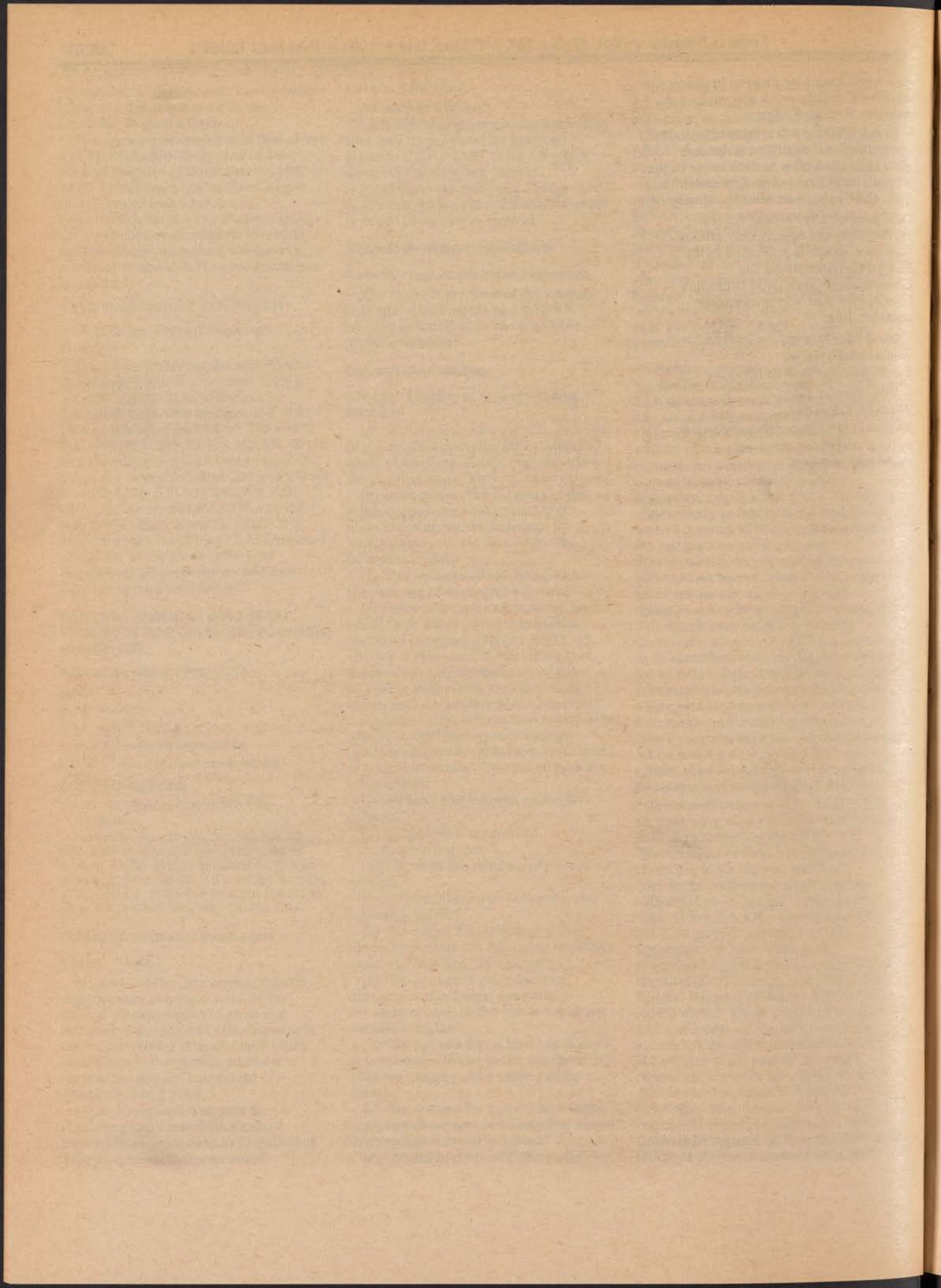
Dated: June 21, 1982.

Richard S. Schweiker,

Secretary of Health and Human Services.

[FR Doc. 82-18451 Filed 6-8-82; 8:45 am]

BILLING CODE 4160-01-M



federal register

Friday
July 9, 1982

Part VII

Department of Labor

Mine Safety and Health Administration

**Underground Coal Mine Safety Standards
Review; Advance Notice of Proposed
Rulemaking**

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Department of Labor

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Department of Labor
Underground Coal Mine Safety Standards

DEPARTMENT OF LABOR

Mine Safety and Health Administration

30 CFR Part 75

Underground Coal Mine Safety Standards Review; Advance Notice of Proposed Rulemaking

AGENCY: Mine Safety and Health Administration, Labor.

ACTION: Advance notice of proposed rulemaking.

SUMMARY: The Mine Safety and Health Administration (MSHA) invites public participation in the initial stages of its review of the underground coal mine safety standards in Title 30 of the Code of Federal Regulations, Part 75. The Agency specifically solicits comments with respect to possible regulatory action concerning standards for roof support, blasting and explosives, and the ventilation plan requirements and criteria in § 75.316. As a result of a recent review, these standards have been identified as areas that MSHA believes can be improved. In addition, MSHA invites written comments from interested persons relating to any concerns that they may have with other underground coal mine safety standards, including suggestions for the order in which the standards should be reviewed. The purpose of this review is to eliminate unnecessary reporting and recordkeeping requirements, minimize conflicting provisions, delete irrelevant

standards, simplify and consolidate existing regulations, update standards to conform to state-of-the-art technology, and clarify and reorganize standards, where necessary.

DATES: Comments must be received on or before September 7, 1982.

ADDRESS: Interested persons are invited to submit written comments and suggestions to the Office of Standards, Regulations and Variances, MSHA, 4015 Wilson Boulevard, Arlington, VA 22203.

FOR FURTHER INFORMATION CONTACT: Patricia W. Silvey, Acting Director, Office of Standards, Regulations and Variances, MSHA, Room 631, 4015 Wilson Boulevard, Arlington, VA 22203, (703) 235-1910.

SUPPLEMENTARY INFORMATION: MSHA has initiated a review of all safety standards for underground coal mines in 30 CFR Part 75. This comprehensive review is consistent with the goals of Executive Order 12291, the Regulatory Flexibility Act, the Paperwork Reduction Act, and the Department of Labor's initiatives with respect to improving regulations. A primary purpose of this comprehensive review of MSHA's underground coal mine safety standards is to improve the Agency's existing standards to promote the health and safety of miners and further the goals of regulatory reform.

Particularly, MSHA will evaluate (1) the adequacy of existing standards; (2) changes in mining technology; (3) the continued relevancy of certain provisions; (4) duplicative or

overlapping requirements; (5) inconsistencies with other MSHA, Federal, or State agency requirements; and (6) reporting and recordkeeping requirements.

MSHA considers early public participation in this standards review process to be particularly important. The Agency, therefore, urges the mining community and other interested parties to submit comments related to the applicability and effectiveness of any of the underground safety standards in Part 75.

As part of this review, MSHA is specifically soliciting suggestions for regulatory changes to Subpart C—Roof Support, and the ventilation requirements in § 75.316. The Agency is particularly interested in any comments that the mining community has with respect to requirements related to the approval of roof control plans and plans for ventilation systems and methane and dust control. In addition, MSHA invites comments concerning blasting and explosives standards, including related requirements in 30 CFR Parts 15, 16 and 17.

List of Subjects in 30 CFR Part 75

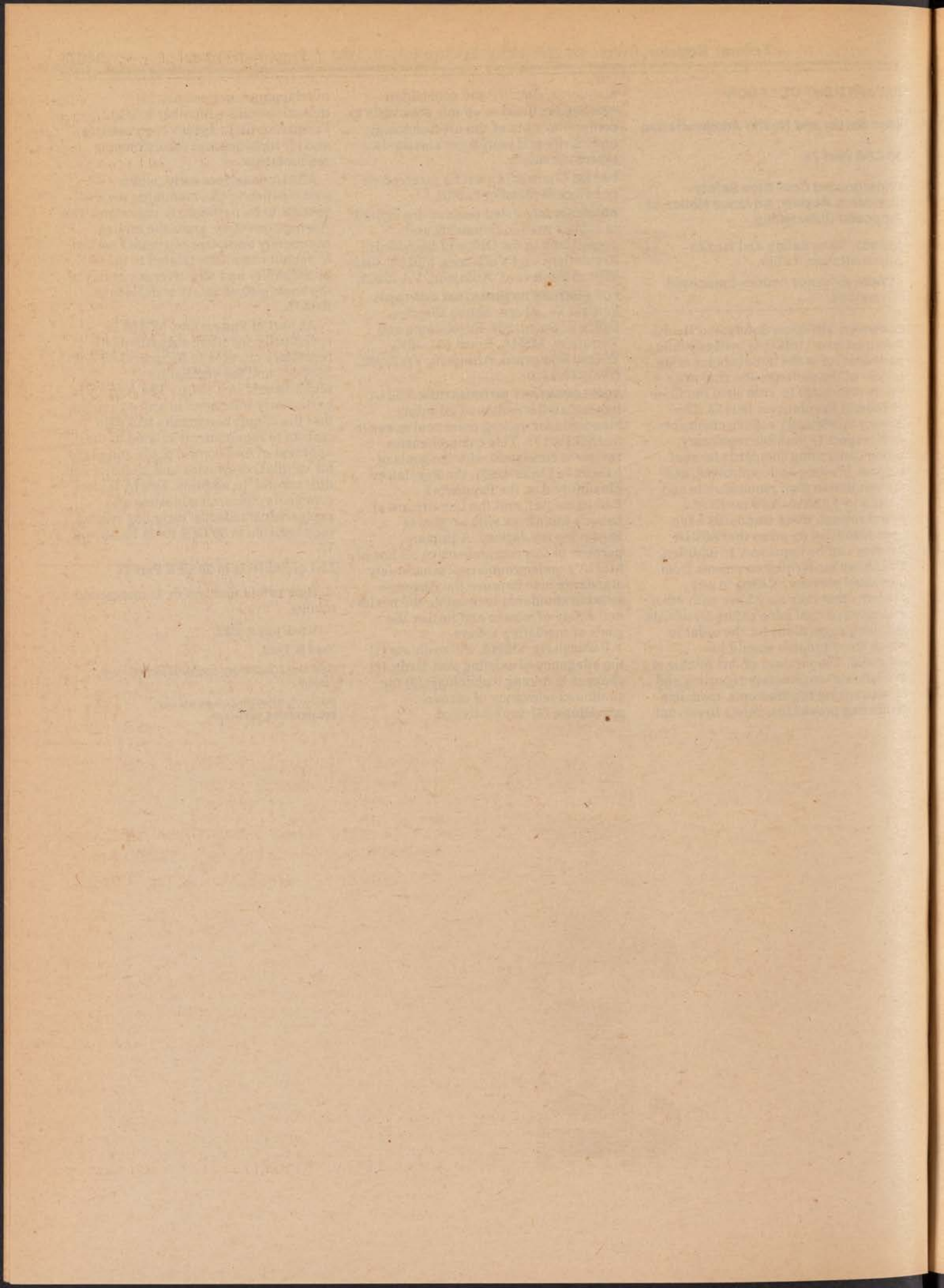
Mine safety and health, Underground mining.

Dated: July 2, 1982.

Ford B. Ford,

Assistant Secretary for Mine Safety and Health.

[FR Doc. 82-18630 Filed 7-8-82; 8:45 am]
BILLING CODE 4510-43-M



Federal Register

Friday
July 9, 1982

Part VIII

Department of Commerce

**National Telecommunications and
Information Administration**

**Grants for Planning and Construction of
Public Telecommunications Facilities;
Acceptance of Applications for Filing**

DEPARTMENT OF COMMERCE

National Telecommunications and Information Administration

Grants for Planning and Construction of Public Telecommunications Facilities; Acceptance of Applications for Filing

I. New Applications and Major Amendments to Deferred Applications

Notice is hereby given that the following described applications for Federal financial assistance are accepted for filing under provisions of Title III, Part IV of the Communications Act of 1934, as amended (47 U.S.C. 390-94) and in accordance with 15 CFR Part 2301. All of the applications listed in this section were received or were postmarked by May 7, 1982. The effective date of acceptance of these proposals, unless otherwise indicated herein, is May 7, 1982. In the cases where "Date Received" is indicated as being other than May 7, 1982, the "Date Received" indicated will serve as the effective date of acceptance of the application. Applications are listed alphabetically by their State.

The acceptance of applications for filing is a procedure designed for making preliminary determinations of eligibility and for providing the opportunity for public comment on applications. Acceptance of an application does not preclude subsequent return or disapproval of an application if it is found to be not in accordance with the provisions of either the Act or 15 CFR Part 2301, or if the applicant fails to file any additional information requested by the Public Telecommunications Facilities Program (PTFP). Acceptance for filing does not assure an application of being funded; it merely qualifies it to compete for funding with other applications which have also been accepted for filing.

Pursuant to 15 CFR 2301.09, applicants were required to publish in a newspaper of general circulation in the community to be served by the applicant, a notice that such application has been tendered to the PTFP of the National Telecommunications and Information Administration. The notice shall have been published once a week for two consecutive weeks on or before May 7, 1982. The notice included (1) information as to where within the community to be served a copy of the application and any amendments thereto, may be inspected by the public during normal business hours, and (2) an invitation for parties supporting or opposing the application to file comments with the Administrator, National Telecommunications and

Information Administration, Public Telecommunications Facilities Program, Washington, D.C. 20230. All filings must be made within 15 calendar days from the date of this public notice of acceptance of the application, and must be accompanied by a certificate that the copy of the comments has been mailed to the applicant.

AK

File No. 2155CRB, Aurora Comty Brdcstg Inc., Anchorage, AK 99508. Signed By: Mike Mense, President. Funds Requested: \$117,943.00. Total Project Cost: \$157,258.00. To extend the signal of KSKA-FM, operating on 103.1 MHz in Anchorage, AK, by increasing power from 3000 to 36,000 watts and changing frequencies from 103 to 91 FM, and to provide basic production facilities to take advantage of local programming resources.

File No. 2237CRB, Rainbird Cmty Brdcstg Corp, 716 Totem Way, Ketchikan, AK 99901. Signed By: James Hanson, President, KCBC. Funds Requested: \$31,884.00. Total Project Cost: \$42,512.00. To replace the transmitter of public radio station KRBD-FM, operating on 105.9 MHz at Ketchikan, AK, which brings the only public radio service to the communities of Ketchikan, Metlakatla, Thorne, Bay, Hollis, Craig and Klawock in southeast Alaska.

AL

File No. 2214CTB, Alabama ETV Commission, 2101 Magnolia Ave, Birmingham, AL 35256. Signed By: Edward Wegener, General Manager. Funds Requested: \$434,100.00. Total Project Cost: \$714,300.00. To extend the coverage of WAIQ Channel 26, in Montgomery, Alabama, by the acquisition of a higher tower and new antenna which will provide first service to 271,992 persons.

File No. 2251CRB, Bd of Trustees for Univ of AL, 1028 7th Ave South, Birmingham, AL 35294. Signed By: Kenneth M. Pruitt, Assistant VP/Research. Funds Requested: \$24,707.00. Total Project Cost: \$32,943.00. To extend the radio reading service portion of public radio station WBHM-FM, operating on 90.3 MHz in Birmingham, AL, to other areas of the state via Alabama public television's existing microwave system.

File No. 2252PTB, Lawson State Cmty Coll, 3060 Wilson Road, Birmingham, AL 35221. Signed By: Jesse J. Lewis, President. Funds Requested: \$34,500.00. Total Project Cost: \$74,400.00. To plan for a noncommercial TV station in the city of Birmingham, Alabama, to provide

programming to the black population within the area.

AR

File No. 2084CRB, Arkansas Brdcstg Fdn, 1501 Arch Street, Little Rock, AR 72202. Signed By: Lia Lent, Project Director. Funds Requested: \$57,975.00. Total Project Cost: \$77,300.00. To construct a noncommercial FM station in Little Rock, AR, to serve Little Rock, North Little Rock, Hot Springs, Conway and Jacksonville, Arkansas.

AZ

File No. 2010CTB, AZ Bd of Regents for AZ St Univ, Arizona State Univ, Tempe, AZ 85287. Signed By: Paige E. Mulhollan, Exec Vice Pres. Funds Requested: \$1,275,000.00. Total Project Cost: \$2,550,000.00. To replace antenna, tower, etc., and some studio equipment. Arizona State University operates noncommercial educational Channel 8 in Phoenix. Some of the existing equipment is 30 years old and spare parts are no longer obtainable.

File No. 2099CRB, Apache Radio Broadcasting Corp, Box 310, Whiteriver, AZ 85941. Signed By: Billy Kane, Chairman, ARBC. Funds Requested: \$65,276.00. Total Project Cost: \$87,035.00. To extend this signal of tribal owned noncommercial FM radio station KNNB via translators. First service will be provided to five communities on White Mountain Indian Reservation (Apache). Earth station will provide reception of NPR at KNNB.

File No. 2329PTB, Navajo Community College, Tsaile, AZ 86556. Signed By: Dean C. Jackson, President. Funds Requested: \$25,000.00. Total Project Cost: \$25,000.00. To plan for a TV distribution network to serve the Navajo Nation in Arizona, New Mexico, and Utah. Network is needed to distribute Navajo programming to low power TV and cable systems on Navajo Nation. Overall objective is to establish an educational/public affairs TV network for the Navajo reservation.

CA

File No. 2017CTB, Corp on Disabilities & T/C, P.O. Box 27573, Los Angeles, CA 90027. Signed By: Neil Goldstein, Sec/Treas. Funds Requested: \$1,482,220.00. Total Project Cost: \$1,976,293.00. To establish a noncommercial TV station operating on Channel 68, Los Angeles, CA, to serve and employ disabled people.

File No. 2044CRB, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211. Signed By: Clifford J. Hand, Acting President. Funds Requested: \$51,593.00. Total Project Cost: \$68,791.00.

To extend the signal of public radio station KUOP-FM, operating on 91.3 MHz at Stockton, CA, by relocating the primary transmitter at Mt. Oso, providing first service to portions of Stanislaus, Calaveras and other counties.

File No. 2075CTB, Santa Clara Cnty Board of Educ, 100 Skyport Drive, San Jose, CA 95115. Signed By: Maynard E. Orme, Gen Mgr. Funds Requested: \$202,275.00. Total Project Cost: \$269,700.00. To establish an ITFS system at Monument Peak, CA, to serve various sites in Santa Clara County, CA.

File No. 2092CRN, Blind San Franciscans, Inc, 420 Taylor Street, San Francisco, CA 94102. Signed By: Jewel McGinnis, Pres, Bd of Directors. Funds Requested: \$63,750.00. Total Project Cost: \$85,000.00. To provide SCA receivers for 1000 print handicapped persons in the San Francisco Bay area.

File No. 2098CTB, Central California ETV, Inc, P.O. Box 6, Sacramento, CA 95801. Signed By: Marilyn Shearer, Director of Development. Funds Requested: \$62,890.00. Total Project Cost: \$83,854.00. To upgrade public television station KVIE-TV, operating on Channel 6 at Sacramento, CA, by replacing an obsolete STL.

File No. 2100CRB, California St Univ, Sacramento, 6000 J Street, Sacramento, CA 95819. Signed By: Phil Corriveau, Gen Mgr. Funds Requested: \$77,827.00. Total Project Cost: \$103,770.00. To improve the transmission capabilities of KXPR, operating on 88.9 at Walnut Grove, CA, by moving to Rio Linda, changing frequency to 90.9, increasing power, and installing a translator at Angel's Roost Peak, CA.

File No. 2101CTB, Office of the Supt of Schools, 135 S. Jackson, P.O. Drawer G, Independence, CA 93526. Signed By: Janet Watkins, Superintendent of Schools. Funds Requested: \$82,165.00. Total Project Cost: \$109,553.00. To improve an existing translator system in Inyo County, CA, by providing local origination facilities and a low power TV transmitter at Bishop, and a satellite earth station.

File No. 2103CRB, Voces Unidas Biling Brdcstg Fdn, P.O. Box 1243, Salinas, CA 93902. Signed By: Ann Cabailero, President. Funds Requested: \$5,250.00. Total Project Cost: \$7,000.00. To establish FM radio (KUBO) translator in San Benito County, CA, to provide first service to Watsonville, Hollister, and the San Benito County area.

File No. 2106CTB, Black TV Workshop of LA, Inc, 7469 Melrose Avenue, Suite 28, Los Angeles, CA 90046. Signed By: Clint Wilson II, Director. Funds Requested: \$2,364,637.00. Total Project Cost: \$3,152,850.00. To construct a

noncommercial minority controlled and programmed television station to serve the Los Angeles area.

File No. 2111CTB, San Bernardino Comty Coll Dist, 701 South Mt Vernon Avenue, San Bernardino, CA 92410. Signed By: Dr. Richard A. Jones, Chancellor. Funds Requested: \$80,000.00. Total Project Cost: \$107,684.00. To extend the signal of public television station KVCR-TV, operating on Channel 24 at San Bernardino, CA, with translators at Crestline, Victorville, and Barstow, CA.

File No. 2116PON, County of Mendocino, 589 Lou Gap Road, Ukiah, CA 95482. Signed By: Albert P. Beltrami, County Administrator. Funds Requested: \$19,760.00. Total Project Cost: \$26,260.00. To plan for a comprehensive public service telecommunications network in Mendocino County to provide a multi-use, cost-effective, integrated system.

File No. 2124PTN, California St College Fdn, CA St Coll, Stanislaus, Turlock, CA 95380. Signed By: Frank C. Balbo, Treasurer. Funds Requested: \$56,726.00. Total Project Cost: \$90,746.00. To plan for an integrated telecommunications network serving regional colleges and institutions in central California.

File No. 2128CRB, Pacifica Foundation, 3729 Cahuenga Blvd West, North Hollywood, CA 91604. Signed By: Jim Berland, VP & Gen Mgr. Funds Requested: \$204,172.00. Total Project Cost: \$272,230.00. To establish FM radio (KPFK) translators in 11 communities of southern California, providing first or second service and to replace studio equipment.

File No. 2151CON, San Joaquin Delta Comty College, 5151 Pacific Avenue, Stockton, CA 94207. Signed By: Lawrence A. DeRicco, President-Superintendent. Funds Requested: \$194,455.00. Total Project Cost: \$338,617.00. To establish an ITFS system with local origination in Calaveras County, CA, to serve a learning center in San Andreas, California.

File No. 2157CTN, San Diego State Univ Fdn, San Diego State Univ, San Diego, CA 92180. Signed By: Frank Medeiros, VP for Academic Affairs. Funds Requested: \$183,000.00. Total Project Cost: \$244,000.00. To expand the ITFS system into northern San Diego County, CA, and to provide an audio talk-back capability.

File No. 2187PRB, Sonoma State University, 1801 E Cotati Avenue, Rohnert Park, CA 94928. Signed By: David S. Walls, Vice President. Funds Requested: \$40,658.00. Total Project Cost: \$58,654.00. To plan for a comprehensive telecommunications network serving several northern

California counties, to extend university services in the area and evaluate campus communications needs.

File No. 2200CTB, The Peralta Cmty Coll District, 333 E Eighth Street, Oakland, CA 94606. Signed By: Donald B. Berz, Vice Chancellor. Funds Requested: \$725,257.00. Total Project Cost: \$965,077.00. To establish a microwave system in Alameda County, CA, to interconnect existing ITFS and cable facilities.

File No. 2208CRB, North Bay Public Radio, Broadcast Center, Angwin, CA 94508. Signed By: Robert B. Wareham, General Manager. Funds Requested: \$160,553.00. Total Project Cost: \$214,071.00. To extend the signal of public radio station KPRN-FM, operating on 89.9 MHz at Angwin, CA., to provide first signal to rural counties using translators, and to replace obsolete studio equipment.

File No. 2220CRB, Hoopa Valley T/C Corp, P.O. Box 1220, Hoopa, CA 95546. Signed By: David A. Contreras, Chairman. Funds Requested: \$19,303.00. Total Project Cost: \$25,737.00. To extend the signal of noncommercial radio station KIDE-FM, Channel 217 (91.3 MHz), at Hoopa, CA, with translators at Horse Mountain and Fickle Hill, CA.

File No. 2225CRB, White Ash Broadcasting, Inc., 1515 Van Ness, Fresno, CA 93721. Signed By: Augustine Dempsey, Station Manager. Funds Requested: \$25,430.00. Total Project Cost: \$36,907.00. To extend the signal of public radio station KVPR-FM, operating on 89.3 MHz at Fresno, CA, by locating translators at Mt. Adelaide, Mammoth and Casa Diablo.

File No. 2261CON, California State University, 6000 J Street, Sacramento, CA 95819. Signed By: Karl Von den Steinen, Executive Director. Funds Requested: \$313,520.00. Total Project Cost: \$463,520.00. To establish an interactive ITFS system at Sacramento, Pine Hill and Wolf Mountain, serving learning centers in Yuba, Placer, Nevada, and El Dorado counties.

File No. 2273PTN, Imperial County Office of Educ, 1398 Sperber Road, El Centro, CA 92243. Signed By: William H. Fisher, Assistant Superintendent. Funds Requested: \$12,000.00. Total Project Cost: \$16,000.00. To plan for an ITFS system to provide service to Imperial County, CA schools and to study various program sources.

File No. 2275CRB, California Public Radio, 385 8th Street, San Francisco, CA 94103. Signed By: Donovan Reynolds, Director. Funds Requested: \$204,710.00. Total Project Cost: \$272,946.00. To upgrade the production capabilities of California public radio in San Francisco,

by replacing and augmenting obsolete apparatus and facilities.

File No. 2279PON, Regents of the Univ of CA T/C, University of California, Irvine, CA 92717. Signed By: E. L. Bradt, Assistant Manager. Funds Requested: \$53,280.00. Total Project Cost: \$58,738.00. To plan for a teleconferencing capability, if feasible, using university facilities at Irvine to serve various agencies and businesses in Orange County, CA.

File No. 2300CTN, Calif St College, Stanislaus, Monte Vista Avenue, Turlock, CA 95380. Signed By: Frank C. Balbo, Business Manager. Funds Requested: \$145,231.00. Total Project Cost: \$308,431.00. To extend an ITFS system at Turlock CA, to rural and isolated places in Mariposa and Merced counties, and to provide interactive capability at learning centers.

File No. 2346CON, California State Univ, 1000 E Victoria Street, Carson, CA 90747. Signed By: Donald A. MacPhee, Vice President/Planning. Funds Requested: \$157,152.00. Total Project Cost: \$238,652.00. To establish an ITFS system/cable access with local origination in Los Angeles and Orange Counties by interconnecting campus sites and cable facilities.

CO

File No. 2018CTB, Front Range Educ Media Corp, 6801 W 117th Avenue, Broomfield, CO 80020. Signed By: Ted Krichels, Station Mgr. Funds Requested: \$184,765.00. Total Project Cost: \$246,215.00. To upgrade and extend the program capability of public TV station KBDI, operating on Channel 12, in Broomfield, CO, by replacing obsolete and loaned apparatus and adding interconnection equipment to create links to cable headends within the coverage area, and to provide for permanent remote links from downtown Boulder and Denver to the KBDI studio.

File No. 2070CRB, Five Cnty Pub T/C Project, P.O. Box 143, Lake George, CO 80827. Signed By: Sheila Williams, Project Director. Funds Requested: \$4,500.00. Total Project Cost: \$6,000.00. To extend the signal of KCFR-FM, Denver, by translator on Badger Mountain, bringing first public radio services to residents of Park and Teller counties located in the central part of Colorado.

File No. 2076CTB, County of San Miguel, P.O. Box 548, Telluride, CO 81435. Signed By: Fred Ellerd, Chmn, Bd of Cnty Commissioners. Funds Requested: \$40,018.00. Total Project Cost: \$53,358.00. To extend the signal of KRMA-TV Channel 6, Denver and provide first public TV service to residents of the County of San Miguel.

File No. 2095PRB, University of Denver, 2056 S York Street, Denver, CO 80208. Signed By: Howard L. Mai, Dir, Officer of Grants & Contrac. Funds Requested: \$84,795.00. Total Project Cost: \$113,234.00. To plan for the extension of public radio services to at least 90 percent of the state, using the State of Colorado's microwave system. This project would focus on currently unserved communities.

File No. 2153CTB, County of Hinsdale, P.O. Box 107, Lake City, CO 81235. Signed By: John Benvenuto, Commissioner, Hinsdale Cnty. Funds Requested: \$34,815.00. Total Project Cost: \$46,420.00. To construct translators on Blue Mesa and Round Top Mountain which extends the signal of Channel 6, KRMA-TV, Denver, to residents of Hinsdale County in western Colorado.

File No. 2154CTB, Gunnison Metropolitan Rec Dist, P.O. Box 1382, Gunnison, CO 81230. Signed By: Frank Edlin, Jr., President. Funds Requested: \$16,500.00. Total Project Cost: \$22,000.00. To extend the signal of KRMA-TV by translator from Monarch Pass to unserved residents of Gunnison and Hinsdale counties in western Colorado.

File No. 2201CTB, NW Colorado Council of Govts, P.O. Box 739, Frisco, CO 80443. Signed By: Thomas R. H. Glass, NWCCOG Exec Director. Funds Requested: \$114,500.00. Total Project Cost: \$157,000.00. To activate a low power TV facility at Williams Hill in Pitkin County, operating on Channel 18, which retransmits selected programming of Channel 6, KRMA, Denver, as well as locally and regionally produced materials to residents on the western slope of Colorado.

File No. 2247CRB, Carbondale Cmty Access Radio, Box 1388, Carbondale, CO 81623. Signed By: Lee Swidler, President. Funds Requested: \$37,974.00. Total Project Cost: \$50,631.00. To establish a noncommercial radio operating on station 90.5 MHz in Carbondale, CO, to bring first public radio service to portions of Garfield, Pitkin, and Eagle counties.

File No. 2271CRB, San Miguel Educational Fund, Box 1069, Telluride, CO 81435. Signed By: Rita Robinson, Station Manager. Funds Requested: \$47,379.00. Total Project Cost: \$63,172.00. To increase the power of KOTO-FM, operating on 91.7 MHz in Telluride, CO, from 10 to 100 watts, relocate the transmitter to an elevation of 10,000 ft., replace outmoded translator, and to acquire basic studio production facilities, to better serve 90% of the residents of San Miguel County.

File No. 2320CRB, Equal Rep of Media Advoc Corp., 314 11th, P.O. Box 879, Alamosa, CO 81101. Signed By: Frances

Valdez, Member, Bd of Directors. Funds Requested: \$77,062.00. Total Project Cost: \$102,750.00. To activate a noncommercial radio station, operating on 88.7 MHz in Alamosa, Colorado, to bring a first public radio signal to the residents of San Luis Valley.

File No. 2352CTB, Pitkin County, 506 E. Main, Aspen, CO 81611. Signed By: John Dady, Comm Eng. Funds Requested: \$66,000.00. Total Project Cost: \$88,000.00. To construct a solar-powered translator to provide first public television to residents of Marble area of Pitkin County, and to link the southwestern part of Colorado to Channel 62 being broadcast by Pitkin County.

DC

File No. 2009CTB, Howard University, 2222 4th Street, NW, Washington, DC 20059. Signed By: Dr. Caspa L. Harris, Treasurer. Funds Requested: \$511,655.00. Total Project Cost: \$811,655.00. To establish a satellite transmit station at WHMM, operating on Channel 32 in Washington, DC, to provide nationwide minority and general audience programming.

File No. 2051CRB, The American University, Washington, DC 20016. Signed By: John McKinley, Vice President. Funds Requested: \$30,000.00. Total Project Cost: \$40,000.00. To augment the production facilities of WAMU-FM, operating on 88.5 MHz in Washington, DC, by replacing obsolete apparatus needed to deliver programming to the residents of the District and outlying areas.

File No. 2179CRB, Pacifica Foundation, Inc., 700 H Street, NW., Washington, DC 20001. Signed By: Marita Rivero, Vice Pres & Gen Mgr. Funds Requested: \$63,973.00. Total Project Cost: \$85,297.00. To augment the production and transmission facilities of WPFM-FM, operating on 89.3 MHz in Washington, DC, to provide more diverse programming to the communities within the coverage area.

DE

File No. 2031CTB, Delaware Citizens Committee, 122 North Front Str/PO Box 864, Seaford, DE 19973. Signed By: Shelton J. Merrill, President. Funds Requested: \$453,151.00. Total Project Cost: \$707,805.00. To increase power of WDPB-TV in Seaford and to construct a 1KW translator to provide first service to Dover. Funds to enhance WDPB's existing studios are also requested.

FL

File No. 2177CRB, Univ of South Florida, 4202 Fowler Avenue, Tampa, FL

33620. Signed By: D. W. Ervin, Dir. Sponsored Research. Funds Requested: \$40,875.00. Total Project Cost: \$54,500.00. To improve the programming for WSFP-FM which serves the Ft. Myers, Naples, and Port Charlotte areas of southwest Florida by adding radio reception capability to the Ft. Myers public TV satellite earth terminal and an audio reception system to receive the FM signal from WUSF in Riverview, FL. Also, the project proposes to add 500 SCA receivers to expand the radio reading service to the handicapped audience.

File No. 218CRB, Nathan B. Stubblefield Fdn, 3838 Nebraska Avenue, Tampa, FL 33603. Signed By: Cam Hendrix, Technical Director. Funds Requested: \$31,560.00. Total Project Cost: \$42,080.00. To upgrade the transmission system of radio station WMNF in Tampa, Florida, operating on 88.5 MHz with a power of 70 KW, by securing a circularly polarized antenna.

File No. 2189PRB, Latinos In Pub Radio of FL, Inc., 7002 Haden Road, Suite 10, West Palm Beach, FL 33406. Signed by: Andres A. Avello II, Executive Director. Funds Requested: \$25,000.00. Total Project Cost: \$25,000.00. To plan for the establishment of a Spanish language SCA service for Palm Beach County using the subcarrier Channel of WHRS-FM in Boynton Beach, Florida.

File No. 2192CTB, Pensacola Junior College, 1000 College Boulevard, Pensacola, FL 32504. Signed By: Dr. C. W. Walker, Vice President. Funds Requested: \$1,088,495.00. Total Project Cost: \$1,451,326.00. To extend the signal coverage of WSRE-TV, Channel 23 in Pensacola, FL, by changing the location and increasing the height of the tower, by increasing the power of the transmitter and installing a 20% more efficient antenna, thereby providing first service to 169,782 persons.

File No. 2224PRTBN, Brevard Community College, 1519 Clearlake Road, Cocoa, FL 32922. Signed by: Maxwell C. King, President. Funds Requested: \$25,000.00. Total Project Cost: \$53,008.00. To plan the ascertainment of the current and future capabilities of Brevard Community College in Cocoa, Florida, to serve the educational needs of the citizens of Brevard County, including the Board of Public Instruction, through the use of public telecommunications facilities available to this east central community in Florida.

File No. 2260CTN, School Board of Marion Cnty, 512 Southeast Third Street, Ocala, FL 32671. Signed By: H. Leon Rogers, Supt of Schools. Funds Requested: \$274,449.00. Total Project

Cost: \$467,071.00. To establish a multi-Channel instructional TV fixed service system in Ocala, FL, to provide local educational programming to the Marion County area, some of which is unserved, and also provide state and national programs through coordination with WUFT-TV/FM in Gainesville as well as with other local telecommunications systems.

File No. 2264CRB, Bascomb Mem Brdcstg Fdn, Inc, P.O. Box WDNA, Miami, FL 33155. Signed By: Earl G. Gallop, Treasurer/Secretary. Funds Requested: \$18,383.00. Total Project Cost: \$24,444.00. To equip a new on-air production studio in downtown Miami and thereby improve the local production capability of WDNA-FM, operating on 88.9 MHz in Miami, Florida, which provides local minority focused programming to 1.5 million persons in Dade and Monroe Counties.

File No. 2280PON, Florida A&M University, Tallahassee, FL 32307. Signed By: Dr. Sybil C. Mobley, Dean. Funds Requested: \$42,500.00. Total Project Cost: \$42,500.00. To plan for the development of a national model for integration of telecommunications into business education, and explore new methods of imparting business instruction using non-bradcast technology, both to on-campus and community audiences in Tallahassee, Florida.

File No. 2238PON, City of Atlanta, GA, 2nd Floor CH, 68 Mitchell Bldg, Atlanta, GA 30303. Signed By: Andrew Young, Mayor. Funds Requested: \$29,519.00. Total Project Cost: \$43,211.00. To plan for the use of a communications network utilizing the cable system. This network will be used to provide a computer aided fire dispatching system in support of the bureau of fire services.

File No. 2259PON, Cohen Communications, Inc, 1319 E Henry Street, Savannah, GA 31404. Signed By: Richard C. Morgan, Jr., Exec Dir. Funds Requested: \$10,000.00. Total Project Cost: \$10,000.00. To plan for a community telecommunications center that would provide local origination capacity for minority programming.

HI

File No. 2060CTB, Hawaii Public Brdcstg Auth, 2350 Dole Street, Honolulu, HI 96822. Signed By: James B. Young, Executive Director. Funds Requested: \$787,500.00. Total Project Cost: \$1,050,000.00. To expand noncommercial television dissemination facilities at station KMEB, Channel 10, Wailuku, Maui. Also to replace obsolete apparatus at noncommercial television station KHET, Channel 11, Honolulu,

Hawaii. Both stations serve the communities of Hawaii.

IA

File No. 2022CTB, Iowa Lakes Community College, 300 South 18th Street, Estherville, IA 51334. Signed By: R. H. Blacker, Superintendent. Funds Requested: \$117,179.00. Total Project Cost: \$167,398.00. To extend and improve the ITFS system by adding two interactive receivers sites at Spirit Lake and Swea City, both unserved areas.

File No. 2127CTB, Marycrest College, 1607 W. 12th Street, Davenport, IA 52804. Signed By: A. Lynn Bryant, President. Funds Requested: \$131,175.00. Total Project Cost: \$174,900.00. To establish a noncommercial TV station on Channel 36 in Davenport, Iowa. Station will provide ETV from Marycrest College. The College now operates a closed circuit TV production facility for use on campus only, and is operated by students in the communications department. Station will provide second service to area.

IL

File No. 2043CTB, Chicago ETV Assoc, 5400 N Ste Louis Avenue, Chicago, IL 60625. Signed By: John C. Rahmann, Senior Vice President. Funds Requested: \$318,750.00. Total Project Cost: \$425,000.00. To extend the signal of public television station WTTW, Channel 11 in Chicago, Ill., by altering the antenna pattern to deliver service to unserved communities in western Michigan, northern Indiana and northwestern and western Illinois.

File No. 2068PRB, Springfield & Sangamon Community Action, Inc., 1101 South 15th Street, Springfield, IL 62703. Signed By: Gary E. Spears, Chairman, Board of Directors. Funds Requested: \$71,060.00. Total Project Cost: \$76,060.00. To plan for a noncommercial FM radio station to offer local news and public affairs programming to minorities residing in Sangamon County, IL.

File No. 2081CTB, Black Hawk College, 6600 34th Avenue, Moline, IL 61265. Signed By: Dr. Richard J. Puffer, Chancellor. Funds Requested: \$163,000.00. Total Project Cost: \$239,700.00. To improve noncommercial TV station WQPT, operating on Channel 24 in Moline, Illinois, by replacing obsolete equipment to current technically compatible state-of-the-art, in order to better serve the programming needs of residents in the Greater Quad Cities area.

File No. 2174CRB, Chicagoland Radio Info Services, 425 N Michigan Avenue, Chicago, IL 60611. Signed By: Kathryn A. Bikos, Gen Mgr. Funds Requested:

\$16,650.00. Total Project Cost: \$22,200.00. To extend SCA services of CRIS radio, operating on subcarrier Channel of WBEZ-FM, in Chicago, Illinois, to bring specialized programming to the print handicapped residents of metropolitan Chicago area.

File No. 2185CTB, Bd of Trustees of Univ of IL, 354 Admin Building, Urbana, IL 61801. Signed By: Linda Wilson, Associate Vice Chancellor. Funds Requested: \$28,125.00. Total Project Cost: \$37,500.00. To replace failing transmission facilities of noncommercial FM radio station WILL-FM, on frequency 90.9 MHz in Urbana, Illinois, to enable continuous service to the communities surrounding Champaign-Urbana, Ill.

File No. 2188CTB, Bd of Trustees of the Univ of IL, 354 Admin Building, Urbana, IL 61801. Signed By: Linda Wilson, Associate Vice Chancellor. Funds Requested: \$607,500.00. Total Project Cost: \$810,000.00. To replace obsolete dissemination apparatus for public television station WILL-TV, Channel 12, University of Illinois, Urbana, Illinois, in order to deliver program services to the Champaign-Urbana, Decatur-Springfield metropolitan areas.

IN

File No. 2012CRB, Pub Brdcstg of NE Indiana, Inc, 2000 N Wells Street, Fort Wayne, IN 46804. Signed By: Rocco J. Navarro, President. Funds Requested: \$160,276.00. Total Project Cost: \$213,701.00. To extend the signal of noncommercial FM radio station WBNI, operating on frequency 89.1 MHz in Fort Wayne, IN, to provide first local service to communities in northeast Indiana and improve signal quality to residents of Fort Wayne.

File No. 2107CTB, WIPB-Ball State University, 246 Minnetrista Blvd, Muncie, IN 47303. Signed By: Robert P Bell, President. Funds Requested: \$406,500.00. Total Project Cost: \$542,000.00. To replace obsolete and improve origination facilities at public television station WIPB, Channel 49, Muncie, Indiana, in order to deliver noncommercial programming to residents in the City of Muncie and surrounding communities.

File No. 2108CTB, Michiana Public Brdcstg Corp, P.O. Box 34, South Bend, IN 46624. Signed By: Thomas E. Brubaker, Exec Dir & Gen Mgr. Funds Requested: \$121,125.00. Total Project Cost: \$161,500.00. To replace obsolete and failing origination facilities at noncommercial television station WNIT, Channel 34, South Bend, Indiana, to assure uninterrupted telecommunications services to the

communities in the station's service area.

File No. 2121CRB, Butler University, 4600 Sunset Ave, Indianapolis, IN 46208. Signed By: Louis F. Chenette, Dean. Funds Requested: \$59,170.00. Total Project Cost: \$78,893.00. To extend the service capability of public radio station WJAC, 104.5 MHz, Butler University, Indianapolis, Indiana, through the acquisition of subcarrier receivers and origination facilities to bring specialized program service to the print handicapped in the metropolitan area.

File No. 2209CTB, Fort Wayne Public TV, Inc, P.O. Box 39, Fort Wayne, IN 46801. Signed By: Donald Sugarman, MD, President. Funds Requested: \$618,861.00. Total Project Cost: \$836,000.00. To extend and improve the services of noncommercial TV station W39AA, Channel 39, Fort Wayne, Indiana, by constructing new dissemination and origination facilities to provide telecommunications services to Fort Wayne and surrounding counties.

File No. 2284CTN, City of Lake Station, 3625 Central Avenue, Lake Station, IN 46405. Signed By: . Funds Requested: \$1,261,555.00. Total Project Cost: \$1,682,073.00. To establish telecommunications service in the form of cablevision and up stream return for emergency services to better protect the citizens of Lake Station, IN.

File No. 2323CTB, Bd of Trustees for Vincennes Uni, 1002 N 1st Street, Vincennes, IN 47591. Signed By: Dr. Phillip Summers, President. Funds Requested: \$224,625.00. Total Project Cost: \$299,500.00. To replace obsolete and improve dissemination and origination facilities at public television station WVUT, Channel 22, Vincennes University, Vincennes, Indiana, to deliver programming to the communities in the metropolitan area.

File No. 2340CRB, Vincennes University, 1029 N 4th Street, Vincennes, IN 47591. Signed By: Dr. Phillip M. Summers, President. Funds Requested: \$21,485.00. Total Project Cost: \$33,055.00. To replace obsolete and improve origination and dissemination facilities at Vincennes University public radio station WVUB-FM, 91.1 MHz, Vincennes, Indiana, thereby enabling delivery of locally produced programs to communities in the metropolitan area.

File No. 2344CTB, City of Hobart, 414 Main Street, Hobart IN 46342. Signed By: Calvin E. Green, Jr., Mayor. Funds Requested: \$1,738,500.00. Total Project Cost: \$2,318,857.00. To establish a cable TV system to provide local programming to the City of Hobart, Indiana.

KS

File No. 2002CRB, Friends University, 2100 University, Wichita, KS 67213. Signed By: Richard Felix, President. Funds Requested: \$73,581.00. Total Project Cost: \$98,109.00. To reactivate FM radio station KDSA by Friends University in Wichita, KS. New call letters (KSOF) have been assigned to an old frequency, 91.1 MHz, to offer local programming to the city of Wichita.

File No. 2027CTB, Washburn University of Topeka, 301 North Wanamaker Road, Topeka, KS 66604. Signed By: Dr. John L. Green, President. Funds Requested: \$463,890.00. Total Project Cost: \$618,520.00. To upgrade facilities and programming capabilities of station KTWU-TV, Channel 11, in Topeka, Kansas, by replacement of outdated VTR's and purchase of additional VTR's to develop programming for nationwide distribution.

File No. 2049CTB, Kansas Public T/C Service Inc, 320 West 21st PO Box 288, Wichita, KS 67201. Signed By: Zoel Parenteau, Pres & General Manager. Funds Requested: \$782,880.00. Total Project Cost: \$1,043,843.00. Project proposes to establish a UHF sister station on Channel 15 to provide alternative programming specifically targeted to a populus which has a large degree of unemployment.

File No. 2125CRB, KANZA Society, Inc, Box 57, Pierceville, KS 67868. Signed By: Kennis Bosley, Chairman Bd of Directors. Funds Requested: \$68,709.00. Total Project Cost: \$91,613.00. To extend signal of KANZ-FM on 91.1 MHz in Pierceville, KS, to the western regions of Kansas, eastern Colorado, and northern Oklahoma by means of ten watt translators.

File No. 2211CTB, Smoky Hills Public Television P.O. Box 9, 6th & Elm Streets, Bunker Hill, KS 67626. Signed By: Kenneth F. Gardner, Vice President & Gen Mgr. Funds Requested: \$31,000.00. Total Project Cost: \$58,000.00. To extend the signal of public television station KSMH-TV, Channel 9, at Hays, KS to north central Kansas (Phillips, Norton, Smith, Rooks, and Osborne counties) by means of a 100W translator.

File No. 2285CTB, Smoky Hills Public TV, P.O. Box 9, Bunker Hill, KS 67626. Signed By: Kenneth F. Gardner, Vice Pres & Gen Mgr. Funds Requested: \$44,620.00. Total Project Cost: \$74,020.00. To construct a TV translator station in north central Kansas on Channel 64, output 100W. This will supply first service to five counties of Cloud, Clay, Republic, Jewell, and Mitchell. The

originating station is KSMH, Channel 14, in Hays, KS.

KY

File No. 2079CRB, Eastern Kentucky Univ., Lancaster Ave., Richmond, KY 40475. Signed By: J. C. Powell, President. Funds Requested: \$91,297.00. Total Project Cost: \$130,230.00. To activate a repeater noncommercial radio station on 90.9 frequency to broadcast the signal of WEKU-FM into Hazard and the southeastern counties of Kentucky, which are presently unserved.

File No. 2146CRB, Western Kentucky Univ., College Heights, Bowling Green, KY 42101. Signed By: Dr. Donald W. Zacharlas, President. Funds Requested: \$117,333.00. Total Project Cost: \$156,445.00. To establish a noncommercial FM radio station on 89.9 MHz in Somerset, Kentucky, to provide first local service to the Taylor, Green, Adair, Cumberland, Clinton, Russell, Casey and Pulaski County areas of south central Kentucky.

LA

File No. 20005CRB, LA State Univ. at Shreveport, 8515 Youree Drive, Shreveport, LA 71115. Signed By: E. Grady Bogue, Chancellor. Funds Requested: \$290,563.00. Total Project Cost: \$387,418.00. To activate a new noncommercial FM radio station on 89.9 MHz, in Shreveport, LA. Station will provide first service to 839,016 people in 18 counties. University also proposes to acquire satellite reception equipment.

File No. 2006CRB, Louisiana St. Univ. at Alexandria, Alexandria, LA 71301. Signed By: H. Rouse Caffey, Chancellor. Funds Requested: \$386,027.00. Total Project Cost: \$514,703.00. To activate a new noncommercial FM radio station on 88.3 MHz in Alexandria, LA. Station will provide first service to 614,392 people in 16 parishes. University also proposes to acquire satellite reception equipment.

File No. 2140CTB, Louisiana ETV Authority, 2618 Wooddale Blvd., Baton Rouge, LA 70805. Signed By: A. Fred Frey, Exec. Director. Funds Requested: \$234,708.00. Total Project Cost: \$312,944.00. To replace the antenna and transmission line of WLPB-TV in Baton Rouge. WLPB has experienced disruption of service due to repeated equipment failure. Station is flagship station for the Louisiana public broadcasting system.

File No. 2321PRTBN, State of Louisiana, P.O. Box 44095, Baton Rouge, LA 70804. Signed By: E. L. Henry, Comm. of Adm. Funds Requested: \$250,000.00. Total Project Cost: \$250,000.00. To plan for the extension of public telecommunications services to areas of Louisiana not currently served.

MA

File No. 2118CTB, WGBH Educational Foundation, Inc., 44 Hampden Street, Springfield, MA 01103. Signed By: Gordon Carpenter, Chairman of Board of Trustees. Funds Requested: \$145,031.00. Total Project Cost: \$193,375.00. To increase the efficiency of the WGBY-TV transmitter, which is located in Springfield, MA, and to add a telode amplifier to prolong the life of the station's Klystron.

File No. 2158PTN, City of Boston, One City Hall Square, Boston, MA 02201. Signed By: Micho F. Spring, Deputy Mayor. Funds Requested: \$117,917.00. Total Project Cost: \$207,711.00. To plan for Boston's Public Institution Network, a separate institutional cable system to be developed for public, municipal and non-profit users.

MD

File No. 2069CRB, Baltimore Radio Reading Serv., 2901 Liberty Heights Ave., Baltimore, MD 21215. Signed By: Eugene Spurrier, Chairman, Bd. of Directors. Funds Requested: \$42,000.00. Total Project Cost: \$60,000.00. To purchase 1090 subcarrier receivers for use by print handicapped citizens in the Baltimore and upper eastern shore of Maryland areas. Transmitted via WBJC-FM radio.

ME

File No. 2119CRB, University of Maine, Alumni Hall, Orono, ME 04469. Signed By: William J. Sullivan, Treasurer. Funds Requested: \$256,792.00. Total Project Cost: \$342,395.00. To activate satellite radio station that will transmit the signal of Maine Public Broadcasting Network and will provide first public service to Waterville/Winslow and Washington County, Maine.

File No. 2233PON, Medical Care Development, Inc., 11 Parkwood Drive, Augusta, ME 04330. Signed By: John A. LaCasse, Executive Director. Funds Requested: \$67,808.00. Total Project Cost: \$101,125.00. To plan for the provision of health education at home through the interconnection of existing closed circuit hospital systems with cable companies in rural Maine.

MI

File No. 2014CTB, Grand Valley State Colleges, College Landing, Allendale, MI 49401. Signed By: James Starkweather, Director of Budgets. Funds Requested: \$380,838.00. Total Project Cost: \$507,785.00. To provide microwave interconnection between the metropolitan cable system and Channel 35 to make possible the implementation

of a second service to meet expanded and specific target audience programming needs for the residents of West Michigan.

File No. 2015CRB, Grand Valley State Colleges, College Landing, Allendale, MI 49401. Signed By: James Starkweather, Director of Budgets. Funds Requested: \$64,260.00. Total Project Cost: \$85,680.00. To upgrade the origination and production facilities of noncommercial radio station WSRX-FM to better serve the community.

File No. 2034CTB, Ojibwa Community College Learning Center, Rte. 1 Tribal Center, Baraga, MI 49908. Signed By: Gerry Blanchard, Washington Representative. Funds Requested: \$11,903.00. Total Project Cost: \$15,870.00. To extend and improve the television signal of public television station KMWU-TV, channel 13, Marquette, Michigan, by establishing a translator to Ojibwa Community College and Reservation, Baraga, Michigan, to bring public broadcasting to the Keweenaw Bay Indian Reservation.

File No. 2035PRTB, Inter-Tribal Council of MI, Inc., 405 Easterday Avenue, Sault Ste. Marie, MI 49783. Signed By: Gerry Blanchard, Washington Representative. Funds Requested: \$48,500.00. Total Project Cost: \$62,082.00. To plan for noncommercial public radio and television facilities to serve the community members of the Inter-Tribal Council of Michigan and related publics.

File No. 2048CRB, Central Michigan Univ. Pub. Brdcast, Mt. Pleasant, MI 48859. Signed By: Harold Abel, President. Funds Requested: \$95,082.00. Total Project Cost: \$172,877.00. To establish a noncommercial FM radio station operating on 90.1 MHz in Bay City, MI., to provide first service to the Bay City-Saginaw area and the "Thumb" counties of Michigan.

File No. 2109CRB, Delta College, Delta Road, University Center, MI 48710. Signed By: Donald J. Carlyon, President. Funds Requested: \$153,370.00. Total Project Cost: \$249,100.00. To establish a noncommercial FM radio station operating on 90.1 MHz at Bay City, MI., to provide first service to the core counties of the Saginaw Valley and the northern tier counties of the "Thumb" area.

File No. 2113CTB, Bd of Control Northern Michigan Univ., Marquette, MI 49855. Signed By: John X. Jamrich, President. Funds Requested: \$344,085.00. Total Project Cost: \$458,780.00. To replace obsolete and improve dissemination and origination equipment at Northern Michigan University's public television station

WNMU, Channel 13, Marquette, Michigan, to deliver programming to communities in the Northern Peninsula area.

File No. 2114CRB, Blue Lake Fine Arts Camp, WBLV, Route 2, Twin Lake, MI 49457. Signed By: William F. Stansell, President. Funds Requested: \$17,632.00. Total Project Cost: \$23,510.00. To augment the noncommercial facilities of WBLV-FM in Twin Lake, MI, by installing a satellite receive dish to acquire NPR programming.

File No. 2221PON, Bay de Noc Community College, College Avenue, Escanaba, MI 49829. Signed By: Edwin Wuehle, President. Funds Requested: \$82,380.00. Total Project Cost: \$82,380.00. To plan for a microwave/ITFS network of colleges, federal institutions, state institutions and public schools in Michigan's Upper Peninsula. The network will study the technical requirements for a variety of public telecommunications services for instruction in colleges and uses in libraries, schools and with public television in libraries to the communities within the coverage area.

File No. 2332CTB, Delta College, Delta Road, University Center, MI 48710. Signed By: Donald J. Carlyon, President. Funds Requested: \$137,250.00. Total Project Cost: \$201,000.00. To extend the signal of public TV station WUCM-TV, operating on Channel 19, University Center, Michigan, by constructing a translator to serve Bad Axe, Michigan.

MN

File No. 2061CRB, Bemidji State University, Birchmont Drive, Bemidji, MN 56601. Signed By: Richard Haugo, President. Funds Requested: \$64,750.00. Total Project Cost: \$86,333.00. To provide SCA capabilities to Bemidji Stated University/Minnesota public radio station to bring specialized programming to the three largest Ojibwe Nations in Minnesota and non-Indian citizens in north central Minnesota.

File No. 2104CRB, Center for Communications and Development, 810 5th Avenue North, Minneapolis, MN 55405. Signed By: Jeanette Cotton, Station Manager. Funds Requested: \$90,566.00. Total Project Cost: \$120,755.00. To extend and improve the production and transmission facilities of public radio station KMOJ-FM, 89.7 MHz, Minneapolis, Minnesota, operated by The Center for Community Development, to utilize both broadcast and cable radio to serve the metropolitan area.

File No. 2129CRB, Minnesota Public Radio, Inc., 45 East 8th Street, St. Paul, MN 55101. Signed By: William H. Kling, President. Funds Requested: \$270,000.00.

Total Project Cost: \$360,136.00. To establish a new 100 kilowatt public radio station on 90.5 in St. Peter, MN, to provide first local origination capability, and to extend the new station's signal to the communities of Albert Lea and Owatonna by two translators.

File No. 2137CRB, Northern Community Radio, 1841 E. Hwy 169, Grand Rapids, MN 55744. Signed By: Patricia Clarke, Chairman, Bd of Directors. Funds Requested: \$8,735.00. Total Project Cost: \$11,647.00. To extend the signal of public radio station KAXE, 91.7 MHz, Grand Rapids, Minnesota, with translators located in Virginia and Brainerd to serve communities in northern Minnesota.

File No. 2142CRB, Mankato State University, MSU Box 106, Mankato, MN 56001. Signed By: Margaret R. Preska, President. Funds Requested: \$37,500.00. Total Project Cost: \$50,000.00. To improve public radio station KMSU-FM, operating on Frequency 89.7, Mankato State University, Mankato, Minnesota, by installing stereo origination and remote studio facilities to better serve the communities in south central Minnesota.

MO

File No. 2086PRB, Lincoln University, 1004 E. Dunklin Street, Jefferson City, MO 65101. Signed By: Dr. James Frank, President. Funds Requested: \$42,541.00. Total Project Cost: \$42,541.00. To plan for expansion of the facilities at station KLUM-FM (88.9MHz) in all aspects of mass media communications (AM/FM, TV, cable, etc.). The station is located at Lincoln University in Jefferson City, MO. Station provides a second service in the area.

File No. 2087CRB, Lincoln University, 1004 E. Dunklin Street, Jefferson City, MO 65101. Signed By: Dr. James Frank, President. Funds Requested: \$62,104.00. Total Project Cost: \$82,805.00. To upgrade equipment to provide better programming for station KLUM-FM on 88.9 MHz in Jefferson City, MO, particularly for the black minority population. The station is owned and operated by Lincoln University.

File No. 2244CTB, Ozark Pub T/C, Inc., MPO Box 21, Springfield, MO 65801. Signed By: Roseann Bentley, Chmn. of the Board. Funds Requested: \$235,159.00. Total Project Cost: \$333,545.00. To upgrade production and transmission equipment of station KOZK-TV, Channel 21, in Springfield, MO, to overcome inordinate downtime.

File No. 2299CRN, Missouri Federation of The Blind, 2683 South Big Bend Blvd, Maplewood, MO 63143. Signed By: Fred C. Lilley, Executive Director. Funds Requested: \$75,000.00.

Total Project Cost: \$100,000.00. Reactivation of KUMR sideband for transmission to the Blind and Print handicapped. KUMR operates out of Rolla, MO, on 88.5 MHz and is a member of NPR. Other Stations involved will be KBIA-FM 91.3 MHz Columbia, KWMU-FM 90.7 MHz St. Louis, and KCUR-FM 89.3 MHz Kansas City.

MS

File No. 2206PRB, Alcorn State University, Lorman, MS 39096. Signed By: Walter Washington, President, ASU. Funds Requested: \$21,282.00. Total Project Cost: \$27,859.00. To plan the establishment of FM station in Lorman, MS. Total population to be served is 25,000 of which 75% are black.

MT

File No. 2135CTB, Blaine Cmty Pub TV, Inc, Box 188, Chinook, MT 59523. Signed By: Bruce Moerer, Acting Chairman. Funds Requested: \$58,875.00. Total Project Cost: \$78,500.00. To establish a low power TV facility providing a public TV signal to be distributed over-the-air to residents of Blaine County and by the local cable system serving residents of Chinook.

File No. 2141CTB, Dull Knife Memorial College, Box 206, Lame Deer, MT 59043. Signed By: Darius T. Rowland, President. Funds Requested: \$250,000.00. Total Project Cost: \$380,600.00. To establish a low-power public TV station in Lame Deer, Montana, to serve the needs of the Northern Cheyenne Indian Reservation and residents of Rosebud and Big Horn counties in southeastern Montana.

File No. 2243CRB, Eastern Montana College, 1500 N. 30th Street, Billings, MT 59101. Signed By: William Johnstone, Acting Pres. Funds Requested: \$30,000.00. Total Project Cost: \$40,000.00. To extend by translator the signal of public radio station KEMC-FM of Billings to seven communities, six of which are in Montana and one in northern Wyoming.

File No. 2253CTN, Wolf Point TV District, P.O. Box 276, Wolf Point, MT 59201. Signed By: Bob Lundstrom, President. Funds Requested: \$42,375.00. Total Project Cost: \$56,500.00. To establish first local origination capability and to provide a public TV signal to be distributed over the local cable system serving the residents of Wolf Point, in rural Montana.

NC

File No. 2020CRB, Friends of Public Radio, P.O. Box 4234, Wilmington, NC 28406. Signed By: John A. Tiedeman, Agent. Funds Requested: \$165,738.00. Total Project Cost: \$220,985.00. To

activate a new FM radio station on 90.7 MHz in Wilmington, NC. Station would provide first service to 240,000 people within five county area.

ND

File No. 2122CTB, Praire Pub TV Inc, 4500 S. Univ Drive, Fargo, ND 58103. Signed By: Dennis L. Falk, Pres & Gen Mgr. Funds Requested: \$392,415.00. Total Project Cost: \$542,415.00. To improve the production facilities of the public television network originating from station KFME, Fargo, North Dakota, by replacing obsolete equipment needed to deliver programming to residents of North Dakota, northwest Minnesota and northeast Montana.

File No. 2223CRB, Fort Berthold Comm Enterprise, Box 549, New Town, ND 58763. Signed By: Austin Gillette, Chairman, FBCE. Funds Requested: \$30,170.00. Total Project Cost: \$40,226.00. To augment a tribal owned FM radio station operating on 92.1 MHz in New Town, North Dakota, by installing a satellite receive dish to receive NPR programming to better serve the community's 10,000 residents.

NE

File No. 2193CRB, Sunrise Communications, 1038 South 23rd Street, Lincoln, NE 68510. Signed By: Charles N. Quinn, Vice President. Funds Requested: \$24,816.00. Total Project Cost: \$35,387.00. To extend the signal of station KZUM-FM (89.3 MHz) in Lincoln, NE, by increasing the power from 10W to 2KW.

File No. 2313CTB, Nebraska ETV Commission, P.O. Box 83111, Lincoln, NE 68501. Signed By: Jack G. McBride, Secretary & Gen Mgr. Funds Requested: \$240,000.00. Total Project Cost: \$320,000.00. To replace an obsolete and worn-out TV transmitter. Project would provide upgraded and extended coverage in Alliance, NE.

NJ

File No. 2132CON, Educ Improvement Center, 3684 US Rte 1 Bldg 1, Princeton, NJ 08540. Signed By: Thomas J. Rookey, Exec Director. Funds Requested: \$14,288.00. Total Project Cost: \$19,051.00. To provide post-production facilities and training to interested high school students, and for production of educational programming to be distributed by cable to five central New Jersey counties.

File No. 2248PTB, City of Jersey City, 201 Cornelison Ave, Jersey City, NJ 07304. Signed By: Horatius A. Greene III, Director. Funds Requested: \$3,607,000.00. Total Project Cost: \$3,607,999.00. To plan a TV station for the City of Jersey City that would provide statewide TV service.

File No. 2277CRB, Mercer County Community College, 1200 Old Trenton Road, Trenton, NJ 08690. Signed By: John P. Hanley, President. Funds Requested: \$63,907.00. Total Project Cost: \$85,210.00. To increase production capability of WWFM, licensed to Mercer County Community College, to cover local issues in Trenton.

File No. 2289PRB, United Progress Inc., 401 Pennington Ave, Trenton, NJ 08618. Signed By: Albert M. Robinson, Executive Director. Funds Requested: \$36,050.00. Total Project Cost: \$36,050.00. To plan for a low powered radio station to serve the minorities and elderly in Trenton, New Jersey.

NM

File No. 2102CTB, Regents of the Univ of NM, Board of Educ City of Albuquerque, NM, 1130 University Blvd NE, Albuquerque, NM 87102. Signed By: Leontine M. Benton, Associate Director. Funds Requested: \$614,250.00. Total Project Cost: \$819,000.00. To improve KNME-TV operating on channel 5 in Albuquerque, NM, by replacing worn out and obsolete origination equipment. Station provides only service in central NM, parts of southern Colorado and eastern Arizona.

File No. 2165CRB, Alamo Navajo School Bd, Inc., P.O. Box 907, Magdalena, NM 87825. Signed By: William O. Berlin, Executive Director. Funds Requested: \$48,819.00. Total Project Cost: \$65,092.00. To activate a new daytime-only AM station to serve Alamo Navajo Reservation. Station will operate on 1500 MHz and provide native American programming.

File No. 2258PRB, Realidades, A Comm Group, 1584 Five Points, SW, Albuquerque, NM 87105. Signed By: Eduardo Diaz, President. Funds Requested: \$39,491.00. Total Project Cost: \$39,491.00. To plan for a noncommercial FM radio station in the Santa Fe, NM area. Proposed station will provide a first local service to northern New Mexico. Will provide local bilingual service to unserved minorities in northern New Mexico.

File No. 2325CRB, Ramah Navajo School Board, Inc, Box 18, Ramah, NM 87321. Signed By: Bennie Cohoe, Executive Director. Funds Requested: \$138,300.00. Total Project Cost: \$184,401.00. To expand the service area of KTDB-FM to better serve the needs of the Ramah Navajo Reservation and surrounding areas. Project includes both a power increase and the use of translator networks.

File No. 2333CRB, Eastern New Mexico Univ, Portales, NM 88130. Signed By: Duane W. Ryan, Director of Brdcstg. Funds Requested: \$202,768.00.

Total Project Cost: \$270,358.00. To activate a repeater FM station on 88.9 MHz in Maljamar, NM. Station will repeat most of the programming of KENW-FM, Portales, NM. Also, station can be programmed separately from KENW-FM to provide local interest.

File No. 2338CTB, Eastern New Mexico Univ, Portales, NM 88130. Signed By: Duane W. Ryan, Director of Brdcst. Funds Requested: \$319,976.00. Total Project Cost: \$426,635.00. To improve the facilities of KENW-TV in Portales, New Mexico. Equipment will provide upgrade to allow use of one-inch videotapes. Equipment will also improve on-the-air appearance of KENW-TV. Station provides only service in eastern New Mexico.

NV

File No. 2148CTB, Channel 5 Pub Brdcstg Inc., P.O. Box 8856, Reno, NV 89507. Signed By: Daniel Tone, Executive Director. Funds Requested: \$333,900.00. Total Project Cost: \$445,200.00. To provide additional local origination equipment for channel 5, Reno, Nevada. To also construct a translator station which will rebroadcast the signal of primary public TV station channel 5 into Carson City, Nevada.

File No. 2190CTB, City of Yerington, P.O. Box 479, Yerington, NV 89447. Signed By: Frank M. McGowan, City Manager. Funds Requested: \$42,375.00. Total Project Cost: \$56,500.00. To construct a noncommercial low-power TV station to service Yerington, Nevada.

NY

File No. 2008CTN, Columbia-Greene Community College, P.O. Box 1000, Hudson, NY 12534. Signed By: Roger A. Van Winkle, Pres. Funds Requested: \$196,111.00. Total Project Cost: \$284,333.00. To augment, improve and interconnect the facilities of Columbia-Greene Community College to the local cable television facilities.

File No. 2041CTB, Western NY Public Brdcstg Assoc, P.O. Box 1263, Buffalo, NY 14240. Signed By: J. Michael Collins, President. Funds Requested: \$1,741,104.00. Total Project Cost: \$2,321,472.00. To extend the coverage area of WNED-TV, channel 17, in Buffalo, NY, by constructing a new tower which will increase the antenna height, and by increasing the transmitter power in order to provide first service to 112,789 persons.

File No. 2082CRB, North Country Public Radio, Payton Hall, SLU, Canton, NY 13617. Signed By: James A. Arvidson, Director of Brdcst. Funds Requested: \$11,250.00. Total Project

Cost: \$15,788.00. To extend the signal of WSLU-FM at 96.7 MHz by activating a translator to bring first service into Franklin and Essex counties, known as the Tri-Lakes region; and to upgrade the transmission system by replacing the worn-out studio transmitter link.

File No. 2183CTB, Educational Broadcasting Corp., 356 West 58th Street, New York, NY 10019. Signed By: Rolf Drucker, VP Eng. & Operations. Funds Requested: \$496,765.00. Total Project Cost: \$993,530.00. To upgrade the programming capabilities of WNET-TV, channel 13 in New York City by replacing worn-out obsolete studio production equipment in order to provide the current level of national, state and local programs.

File No. 2204CRN, Buffalo & Erie Cnty Pub Library, Lafayette Square, Buffalo, NY 14203. Signed By: William A. Miles, Assistant Deputy Director. Funds Requested: \$59,183.00. Total Project Cost: \$114,183.00. To augment the SCA services of public radio station WBFO-FM in Buffalo, NY, operating on 88.7 MHz, to provide programming for the print handicapped population in the area.

File No. 2246CTN, COACT, Inc., P.O. Box 6136, Syracuse, NY 13217. Signed By: James Crowley, President. Funds Requested: \$323,876.00. Total Project Cost: \$519,576.00. To upgrade the production facilities of Coact, Inc. This organization augments programming for the local cable TV company.

File No. 2250CTB, Instr TV, Archdiocese of NY, 215 Seminary Ave., Yonkers, NY 10704. Signed By: Sr. M. Irene Fugazy, Director. Funds Requested: \$308,214.00. Total Project Cost: \$513,690.00. To augment an existing three channel ITFS system with a fourth channel dedicated to medical programming and health education. The existing facilities are on ITFS station KRS and KRW in lower New York State operated by the Catholic Archdiocese of New York.

File No. 2255CRTB, Pub Brdcstg Council of Central NY, 506 Old Liverpool Road, Liverpool, NY 13088. Signed By: Richard W. Russell, President & Gen Mgr. Funds Requested: \$304,054.00. Total Project Cost: \$405,405.00. To extend the signal and service of WCNY-FM in Syracuse, by activating a repeater transmitter for Utica, NY, which is unserved, and adding SCA receivers for the WCNY radio reading service. To upgrade origination equipment for WCNY-TV.

File No. 2263PRTN, Hispanic Info & T/C Network, 80 E 11th Street, New York, NY 10003. Signed By: Jose Luis Rodriguez. Funds Requested: \$175,510.00. Total Project Cost:

\$175,510.00. To plan a nationwide telecommunications network to provide programming for the Hispanic population.

File No. 2265CTB, City College of Cuny, Convent Ave at 138th St, New York, NY 10031. Signed By: Bernard W. Harleston, President. Funds Requested: \$157,860.00. Total Project Cost: \$205,860.00. To establish a production facility with connection to the local cable facilities to provide programming to the black population within the area. If a license to construct a low power TV station is granted by the FCC, they plan to broadcast directly.

OH

File No. 2013CTN, Bowling Green State Univ, Troup Ave, Bowling Green, OH 43403. Signed By: Garrett T. Heberlein, Vice provost for Research. Funds Requested: \$140,085.00. Total Project Cost: \$186,780.00. To establish an ITFS system operated by WBGU-TV to bring specialized educational programming to the Firelands Branch of Bowling Green State University.

File No. 2019CTB, Greater Cincinnati Educ TV Fdn, 1223 Central Parkway, Cincinnati, OH 45214. Signed By: Charles W. Vaughn, Pres & Gen Mgr. Funds Requested: \$295,105.00. Total Project Cost: \$393,605.00. To replace obsolete apparatus at public television station WCET, channel 48, Cincinnati, Ohio, and thereby enable the Greater Cincinnati Television Educational Foundation to maintain its program originations in order to serve metropolitan Cincinnati communities.

File No. 2029CRB, University of Cincinnati, 1223 Central Parkway, Cincinnati, OH 45214. Signed By: Dr. Eula Bingham, V.P. for Grad. Studies & Research. Funds Requested: \$114,790.00. Total Project Cost: \$153,054.00. To improve origination, and replace obsolete dissemination apparatus, of public radio station WGUC, 90.9 MHz, University of Cincinnati, Cincinnati, Ohio, to better serve the communities in the Cincinnati metropolitan area.

File No. 2062CRB, Toledo Board of Education, Manhattan and Elm Streets, Toledo, OH 43608. Signed By: Hugh T. Caumartin, Superintendent. Funds Requested: \$12,920.00. Total Project Cost: \$17,227.00. To improve noncommercial radio station WAMP-FM, operating on 88.3 MHz, in Toledo, Ohio, by providing additional origination equipment to better serve the Greater Toledo community.

File No. 2130CTB, Ohio State Univ, 2400 Olentangy River Rd, Columbus, OH 43210. Signed By: Dale K. Ouzts, President. Funds Requested: \$77,790.00. Total Project Cost: \$103,720.00. To

improve the origination facilities of noncommercial television station WOSU-TV, channel 34, Columbus, Ohio, by providing increased flexibility and efficiency to programming operations to better serve the communities reached by the station's network signal.

File No. 2184CRB, Dayton Public Radio, Inc., 370 W. First Street, Dayton, OH 45402. Signed By: Clark J. Haines, President. Funds Requested: \$223,102.00. Total Project Cost: \$297,470.00. To establish a noncommercial FM station for Dayton, Ohio, to provide first local service to west central Ohio.

OK

File No. 2083CRB, Carrie Williams Comm Fdn, Inc, P.O. Box 48538, Tulsa, OK 74106. Signed By: Gerald L. Davis, Chairman, Bd of Directors. Funds Requested: \$74,460.00. Total Project Cost: \$99,280.00. To establish a noncommercial FM radio station operating on 88.1 MHz, in Tulsa, Oklahoma, to provide programming to the minority population in the area.

OR

File No. 2072CTB, Oregon Public Brdcstg, 2828 SW Front Street, Portland, OR 97201. Signed By: Gerard L. Appy, Exec Director. Funds Requested: \$75,000.00. Total Project Cost: \$256,152.00. To improve the transmission facilities of station KTUR, operating on Channel 13 in LaGrande, Oregon, by replacing obsolete equipment needed to deliver programming to the residents of northeastern Oregon.

File No. 2073CTB, Oregon Public Brdcstg, 2828 SW Front Street, Portland, OR 97201. Signed By: Gerard L. Appy, Exec Director. Funds Requested: \$100,000.00. Total Project Cost: \$298,030.00. To establish first service public television in central Oregon by relocating the Salem VHF station, KUDO-TV, operating on Channel 3, to Bend, Oregon. The move requires the construction of a new tower and microwave transmission links.

File No. 2182CRB, State of Oregon Acting by and through the State Board of Higher Education, Southern Oregon State College, 1250 Siskiyou Boulevard, Ashland, OR 9752. Signed By: Donald E. Lewis, Dean of Administration. Funds Requested: \$31,012.00. Total Project Cost: \$41,350.00. To extend the signal of station KSOR-FM, operating on 90.1 MHz in Ashland, Oregon, by replacing four existing translators and adding two new translators to cover rural areas of southern Oregon and northern California.

PA

File No. 2090CTB, NE Pennsylvania ETV Association, Old Boston Road, Pittston, PA 18640. Signed By: Dr. John E. Walsh, Pres & Gen Mgr. Funds Requested: \$63,073.00. Total Project Cost: \$110,765.00. To replace modulator exciter in transmitter and to purchase spare Klystron, for station WVIA-TV in Pittston, PA.

File No. 2161CRB, Temple Univ, 2020 N 13th Street, Philadelphia, PA 19122. Signed By: George Haganir, Univ Secretary. Funds Requested: \$125,062.00. Total Project Cost: \$166,750.00. To replace obsolete studio equipment and to replace telephone lines with a microwave STL.

File No. 2282CRB, Middletown Area School District, 55 W. Water Street, Middletown, PA 17057. Signed By: W. Reed Ernst, Superintendent. Funds Requested: \$3,442.00. Total Project Cost: \$4,590.00. To improve studio facilities and quality of sound of WMSS-FM serving Middletown, Pennsylvania.

File No. 2290CRB, Pittsburgh Cmty Brdcstg Corp, 4 Cable Place, Pittsburgh, PA 15213. Signed By: Raymond R. Christman, President. Funds Requested: \$72,000.00. Total Project Cost: \$96,000.00. To implement power increase and to replace obsolete studio equipment.

PR

File No. 2050CTB, Fundacion Educ Ana G. Mendez, Box E, Rio Piedras, PR 00928. Signed By: Jose F. Mendez. Funds Requested: \$1,079,821.00. Total Project Cost: \$1,439,762.00. To establish a noncommercial TV station operating on Channel 40 at Fajardo, PR, to provide first local service to the northeastern sector of Puerto Rico.

File No. 2055CRB, Catholic Univ of PR Serv Assoc, Box 529, Station 6, Ponce, PR 00731. Signed By: Jaime Fuster, Vice President. Funds Requested: \$198,979.00. Total Project Cost: \$265,305.00. To establish a noncommercial FM radio station operating on 88.9 MHz in Ponce, Puerto Rico, to provide first service to western Puerto Rico.

SC

File No. 2088CTN, South Carolina ETV Commission, Drawer L, Columbia, SC 29250. Signed By: Henry J. Cauthen, Pres & Gen Mgr. Funds Requested: \$275,050.00. Total Project Cost: \$366,734.00. To establish an ITFS system in Charleston, SC, to provide instructional and educational television to fifteen high schools and two vocational centers in Charleston County.

File No. 2181CRB, South Carolina State College, College Avenue,

Orangeburg, SC 29117. Signed By: M. Maceo Nance, Jr., President. Funds Requested: \$206,413.00. Total Project Cost: \$275,218.00. To establish noncommercial FM radio station, operating on 90.3 MHz, in Orangeburg, SC, to provide first local service to Bamberg, Calhoun and Orangeburg counties.

SD

File No. 2231CRB, South Dakota ETV Board, 310 East Clark, Vermillion, SD 57069. Signed By: Martin P. Busch, Executive Director. Funds Requested: \$81,420.00. Total Project Cost: \$110,420.00. To construct FM radio transmitters in Reliance and Rapid City, South Dakota, to extend the current statewide public radio network to an estimated 135,000 additional population.

File No. 2232CRB, South Dakota Board of Regents, Pugsley Center, Brookings, SD 57007. Signed By: Sherwood O. Berg, President. Funds Requested: \$48,080.00. Total Project Cost: \$139,080.00. To extend the signal and shift the transmitter location for KESD-FM in Garden City, South Dakota, by constructing a new public radio transmitting station at that location and displacing the old station to Reliance, South Dakota.

File No. 2267CRB, Lakota Communications, Inc., P.O. Box 378, Pine Ridge, SD 57770. Signed By: Dale Means, Project Director. Funds Requested: \$19,213.00. Total Project Cost: \$25,615.00. To augment a tribal owned radio station operating on 90.1 MHz at Pine Ridge, South Dakota by installing a satellite receive dish to receive NPR programming.

TN

File No. 2097PRTBN, Chattanooga St Tech Cmty College, 4501 Amnicola Highway, Chattanooga, TN 37406. Signed By: Dr. Charles W. Branch, President. Funds Requested: \$24,180.00. Total Project: \$36,180.00. To plan for the expansion of noncommercial radio and other telecommunications distribution systems to offer service to counties surrounding Chattanooga and to remote Appalachian communities.

TX

File No. 2003CTB, SW TX Public Brdcstg Council, P.O. Box 9, San Antonio, TX 78291. Signed By: Howard D. Gutin, Pres & Gen Mgr. Funds Requested: \$865,420.00. Total Project Cost: \$1,715,420.00. To extend and improve the signal of KLRM-TV in San Antonio, TX. Relocation of station will provide acceptable signal to unserved areas of San Antonio. Will provide first

service to 261,448 people not receiving KLRN-TV.

File No. 2023CRB, South Texas Educ Brdcstg Cncil, 4455 S. Padre Island Drive #38, Corpus Christi, TX 78411. Signed By: Terrel Cass, President & General Manager. Funds Requested: \$46,500.00. Total Project Cost: \$62,000.00. To extend the signal of KKED-FM in Corpus Christi, TX, to Victoria, TX. Repeater station on 88.5 MHz will reach 80,000 unserved in Victoria, Texas.

File No. 2024CRB, South Texas Educ Brdcstg Cncil, P.O. Box 416, Corpus Christi, TX 78403. Signed By: Terrel Cass, President & General Manager. Funds Requested: \$8,025.00. Total Project Cost: \$10,700.00. To construct a translator to extend the signal of KKED-FM in Corpus Christi. Station will translate the signal of the proposed Harlingen, TX, repeater station. Translator will provide first signal to 30,000 people in Brownsville, TX.

File No. 2025CRB, South Texas Educ Brdcstg Cncil, P.O. Box 416, Corpus Christi, TX 78403. Signed By: Terrel Cass, President & General Manager. Funds Requested: \$69,625.00. Total Project Cost: \$119,500.00. To establish a new FM repeater station in Harlingen, TX to repeat KKED-FM. Station will provide some local origination capacity. Station will also be used by Texas Southmost College for training purposes. KKED-FM, Corpus Christi, and the new station will be connected by microwave.

File No. 2026CRB, South Texas Educ Brdcstg Cncil, 4455 S. Padre Island Drive #38, Corpus Christi, TX 78411. Signed By: Terrel Cass, President & General Manager. Funds Requested: \$97,500.00. Total Project Cost: \$130,000.00. To improve the local origination capacity of KEDT-TV in Corpus Christi. Funding will allow for the replacement of old/obsolete origination equipment that no longer is manufactured.

File No. 2071PRB, Southwest Center for ETV, 7703 North Lamar, Suite 500, Austin, TX 78752. Signed By: Louis Barbash, Gen Mgr. Funds Requested: \$17,820.00. Total Project Cost: \$21,020.00. To plan for a minority owned and operated FM radio station. Station would serve 477,900 people in either Georgetown or San Marcos, Texas.

File No. 2123CTN, Assoc for Higher Educ of N Texas, P.O. Box 688, Richardson, TX 75080. Signed By: Gilbert A. Peters, President. Funds Requested: \$160,837.00. Total Project Cost: \$214,450.00. To extend the cable/ITFS system to provide instructional TV service to Tarrant County, Texas. Service would benefit 456,000 people in the City of Ft. Worth and Tarrant County.

File No. 2149CRB, ETCOM, Inc, 813 N Estrella Street, El Paso, TX 79903. Signed By: Ignacio Acosta, President. Funds Requested: \$185,002.00. Total Project Cost: \$246,670.00. To activate a new FM station in El Paso, Texas to serve the minority population. Station will operate on 89.5 MHz and will be owned and operated by minorities. Applicant is also requesting satellite reception equipment.

File No. 2150CRB, East Texas State Univ, P.O. Box BB, ET Station, Commerce, TX 75428. Signed By: Dr. Charles Austin, President. Funds Requested: \$59,951.00 Total Project Cost: \$79,935.00. To extend the signal of KETR-FM in Commerce, TX to serve ten Texas counties. Project will increase tower height and increase power to 100KW.

File No. 2194CON, Region IV Educ Service Center, P.O. Box 863, Houston, TX 77001. Signed By: Dr. Tom Pate, Jr., Executive Director. Funds Requested: \$498,469.00 Total Project Cost: \$979,027.00. To construct the primary transmitting system of an interactive ITFS network, to provide educational programs to school districts, business and industry in the Houston, TX area.

File No. 2229CRB, N Texas Radio Reading Serv, Inc, 3001 Bookhout Street, Dallas, TX 75201. Signed By: H. X. Salzberger, Treasurer. Funds Requested: \$69,417.00 Total Project Cost: \$92,557.00. To acquire 400 SCA receivers for use with KERA-FM in Dallas, Texas. Also proposes to acquire additional studio equipment to expand capability. Project will provide service to print handicapped in Dallas, TX area.

File No. 2274CTB, Navarro College, P.O. Box 1170, Corsicana, TX 75110. Signed By: Kenneth P. Walker, PhD, President. Funds Requested: \$453,930.00. Total Project Cost: \$622,590.00. To construct a low power TV station and a TV translator station. LPTV programming will be broadcast in Corsicana and repeated in Fairfield. Stations will provide programming service to 40,000 people within three counties.

File No. 2326CRB, Texarkana Community College, 2500 N Robison Road, Texarkana, TX 75501. Signed By: B. J. Murdock, Dean of Program Development. Funds Requested: \$106,636.00. Total Project Cost: \$142,182.00. To activate a new FM radio station on 91.5 MHz in Texarkana, Texas. Station would provide first service to northeast Texas and southwest Arkansas. Station would serve as a training facility for students at the college.

File No. 2342CTB, Public Comm Fdn for North Texas, 3000 Harry Hines Blvd,

Dallas, TX 75201. Signed By: Richard J. Meyer, President. Funds Requested: \$1,603,270.00 Total Project Cost: \$2,137,695.00. To establish new noncommercial TV channel two at Flower Mound, TX, that would serve the Dallas and Fort Worth areas.

UT

File No. 2032CRTBN, University of Utah, 204 James Talmadge Building, Salt Lake City, UT 84112. Signed By: James J. Brophy, Vice President for Research. Funds Requested: \$1,073,445.00. Total Project Cost: \$1,431,260.00. To implement the second phase of a state plan, by extending the signal of KUSU-FM in Logan, UT, with FM translators; replacing two existing TV translators to rebroadcast KUED TV from Salt Lake City; providing a new translator to serve Snowville, UT and Holbrook, ID; expanding the state's microwave looping system to include unserved areas; providing production facilities for UT Technical College; and relocating Southern UT State's FM transmitter and providing STL, remote control, and production equipment.

VA

File No. 2054CRTN, Center for Excellence, Inc., P.O. Box 158, Williamsburg, VA 23185. Signed By: John A. Curtis, President. Funds Requested: \$2,461,994.00. Total Project Cost: \$5,507,492.00. To extend multimedia production and transmission capabilities of an existing telecommunications delivery system in eastern Virginia, to provide specialized educational and informational programming to the rural area population.

WA

File No. 2269CR B, Fine Arts Radio, P.O. Box 1424, Richland, WA 99352. Signed By: Dennis Haarsager, Vice President, Gen Mgr. Funds Requested: \$41,715.00. Total Project Cost: \$55,620.00. To extend the signal of KFAE-FM, which will be licensed in Richland, Washington, with translators located in eastern Washington, northeastern Oregon, and northwestern Idaho, to provide first service to the majority of the population in these rural areas.

File No. 2272CTB, Tacoma School District #10, 601 8th Avenue, P.O. Box 1357, Tacoma, WA 98402. Signed By: Del Cross, Superintendent. Funds Requested: \$883,827.00 Total Project Cost: \$1,178,436.00. To improve existing transmission facilities of station KTPS-TV in Tacoma, Washington, by relocating to a higher existing tower and operating on Channel 28 as well as

replacing their current low power transmitter.

WI

File No. 2256CTOB, Lakeshore Technical Institute, 1290 North Avenue, Cleveland, WI 53015. Signed By: Frederick J. Nierode, District Director. Funds Requested: \$131,250.00 Total Project Cost: \$254,000.00. To establish an ITFS system to service Manitowoc County, Sheboygan County and Southeastern Calumet County, with vocational, technical and adult education.

WV

File No. 2046CON, West Virginia Educ Brdcastg Auth, B424, Bldg Six State Capitol, Charleston, WV 25305. Signed By: Philip English, Executive Director. Funds Requested: \$256,623.00. Total Project Cost: \$886,766.00. To construct a statewide microwave interconnect to facilitate program distribution of West Virginia ETV's public radio and TV stations.

File No. 2047CTB, Hardy Cnty Rural Dev Auth, P.O. Box N, Moorefield, WV 26836. Signed By: Leslie A. Barr, Chairman. Funds Requested: \$88,556.00. Total Project Cost: \$152,465.00. To construct translator stations to bring first public TV service to Wardenville and Mathias, WV. The stations will rebroadcast the signal of WWVU-TV, Morgantown, WV.

WY

File No. 2139CRTB, Casper Cmty College District, 125 College Drive, Casper, WY 82601. Signed By: Lloyd H. Loftin, President. Funds Requested: \$37,845.00. Total Project Cost: \$50,460.00. To establish local programming capability on a recently constructed 100 watt VHF translator, and to expand to 100 watts the FM translator bringing the signal of KUWR-FM of Laramie to the residents of Casper.

File No. 2266CRTB, Central Wyoming College, Highway 26, Riverton, WY 85201. Signed By: Richard St Pierre, President. Funds Requested: \$156,447.00. Total Project Cost: \$208,596.00. To relocate the transmission equipment of KCWC-FM, operating on 88.1 MHz, Riverton, Wyoming, with KCWC-TV on Limestone Mountain, which will provide expanded public radio service to the area. To also establish radio and TV studios on the Wind River Indian Reservation which will be used to originate up to 20 percent of the programming of KCWC-TV-FM.

File No. 2276CTB, Western Wyoming Comty College, Box 428, 2500 College Drive, Rock Springs, WY 82901. Signed

By: Dr. Bert S. Slafter, President. Funds Requested: \$298,604.00. Total Project Cost: \$398,139.00. To extend the public broadcasting signal of KCWC-TV, channel 4, Riverton, WY, to Rock Springs, WY, by microwave where a low power TV facility with local origination capability will be activated and its signal translated to unserved rural communities, including Eden, Farson, and Stillwater.

II. Deferred Applications

The following deferred applications were submitted and accepted for filing by PTFP in prior fiscal years, and have been assigned new processing numbers for fiscal year 1982. The applicant in each case indicated that it wants the application considered for Federal funding from monies appropriated in fiscal year 1982, and has furnished updated materials as required. (It is not necessary that these applicants republish notice in a local newspaper in the community to be served under 15 CFR 2301.09)

(47 U.S.C. 390-94; 397)

(Catalog of Federal Domestic Assistance Program No. 11.550, Public Telecommunications Facilities Program)

FOR FURTHER INFORMATION CONTACT:
John J. O'Neill, (202) 377-5802.

Reactivated Applications For 1982

AK

New file No. 2339CRB; old file No. 1680; University of Alaska, Fairbanks

AR

New file No. 2066CTB; old file No. 1513; Univ of Arkansas at Little Rock, Little Rock

AZ

New file No. 2030CTB; old file No. 1304; Casa Grande Union High School, Casa Grande

CA

New file No. 2134PTN; old file No. 1481; California State College, Bakersfield

New file No. 2230CTB; old file No. 1419; Rural CA Broadcasting Corp., Cotati

New file No. 2067PTN; old file No. 1732; Deaf Informed Comm Center, Inc, Fremont

New file No. 2198CRB; old file No. 1635; Radio Bilingue, Inc., Fresno

New file No. 2011CTB; old file No. 1383; Community TV of Southern Calif, Los Angeles

New file No. 2302CRB; old file No. 1768; International Institute of LA, Los Angeles

New file No. 2236CRB; old file No. 1673; Morgan Hill Unified School Dist, Morgan Hill

New file No. 2063PTN; old file No. 1653; Open Channel, Inc, Santa Cruz

New file No. 2115CRB; old file No. 1622; California State Univ at Long Beach

CO

New file No. 2324PRTN; old file No. 1740; Univ of Denver (CO Seminary), Denver

CT

New file No. 2040PTN; old file No. 1579; Community Renewal Team, Hartford

New file No. 2156CTN; old file No. 1664; Connecticut Educ T/C Corp, Hartford

New file No. 2159 CTB; old file No. 1407; Connecticut Educ T/C Corp, Hartford

New file No. 2059PTN; old file No. 1825; City of New Britain, New Britain

DC

New file No. 2318CTB; old file No. 1712; Community T/C Dev Fdn, Inc, Washington

New file No. 2319CTB; old file No. 1357; Booker T Washington Fdn, Washington

New file No. 2057CTB; old file No. 1302; Greater Washington Educ T/C Asso, Washington

DE

New file No. 2089CTN; old file No. 1435; Delaware Tech & Cmty College, Newark

FL

New file No. 2045CRB; old file No. 1621; Broward Public Radio Assoc, Inc., Fort Lauderdale

New file No. 2038PRTB; old file No. 1842; School Board of Broward County, Ft. Lauderdale

New file No. 2004CTB; old file No. 1443; University of Florida, Gainesville

New file No. 2199CROB; old file No. 1531; WJCT, Inc., Jacksonville

New file No. 2216CRB; old file No. 1577; The School Bd of Dade Cnty, Miami

New file No. 2093CTB; old file No. 1457; Cmty TV Fdn of S Florida, Inc., Miami

New file No. 2242CTB; old file No. 1485; Community Comm, Inc., Orlando

New file No. 2007CRB; old file No. 1401; The School Bd of Broward County, Sunrise

New file No. 2176CTB; old file No. 1488; Florida State Univ, Tallahassee

New file No. 2297CRB; old file No. 1451; The Florida A&M Univ, Tallahassee

New file No. 2335CTB; old file No. 1345; University of South Florida, Tampa

New file No. 2133CTB; old file No. 1436; Florida W Coast Pub Brdcstg, Tampa

New file No. 2178CRB; old file No. 1819; Univ of South Florida, Tampa

New file No. 2336CTB; old file No. 1702; University of South Florida, Tampa

GA

New file No. 2303CRB; old file No. 1368; Clark College, Atlanta

IA

New file No. 2065PTB; old file No. 1727; Northern Trails Area Educ Agency, Clear Lake

New file No. 2341CRB; old file No. 1517; Urban Community Brdcstg Company, Des Moines

New file No. 2215PTB; old file No. 1316; Community Communications Fdn, Waterloo

New file No. 2331PON; old file No. 1409; Southeastern Community College, West Burlington

ID

New file No. 2328CTB; old file No. 1710; St Bd of Educ & Bd of Regents, Boise

IL

New file No. 2293CRB; old file No. 1845; Capital Area Vocational Center, Springfield

New file No. 2314CRB; old file No. 1799; Argo Community High School, Summit

IN

New file No. 2245CTN; old file No. 1804; NW Indiana Pub Brdcstg, Inc., Highland

New file No. 2036CTB; old file No. 1682; Metro Indianapolis TV Assoc Inc., Indianapolis

KS

New file No. 2077CRB; old file No. 1578; University of Kansas, Lawrence

New file No. 2168CTB; old file No. 1809; Johnson Cnty Cmty Coll, Overland Park

New file No. 2096CTN; old file No. 1751; Wichita Public Schools, Wichita

KY

New file No. 2078CTN; old file No. 1821; Appalshop, Inc., Whitesburg

LA

New file No. 2138CTN; old file No. 1649; Louisiana ETV Authority, Baton Rouge

MA

New file No. 2039PTB; old file No. 1584; University of Mass/Amherst, Amherst

New file No. 2203PTN; old file No. 1704; Emerson College, Boston

New file No. 2249CTN; old file No. 1780; The Clarke School for the Deaf, Northampton

MD

New file No. 2016CRB; old file No. 1521; The Johns Hopkins University, Baltimore

New file No. 2327CTN; old file No. 1351; Dundalk Community College, Baltimore

ME

New file No. 2167CTN; old file No. 1416; Health Educ Channel, Portland

MO

New file No. 2218CTB; old file No. 1374; The Fab Foundation, Inc., Jefferson City

New file No. 2278CRB; old file No. 1495; Mid-Coast Radio Project, Inc., Kansas City

New file No. 2222CON; old file No. 1300; City of Kansas City, Kansas City

New file No. 2301CTB; old file No. 1688; Double Helix Corp., St. Louis

New file No. 2160CRB; old file No. 1441; Central MO State University, Warrensburg

MS

New file No. 1999CRB; old file No. 1512; Mississippi Authority For ETV, Jackson

MT

New file No. 2308CTB; old file No. 1473; East Butte TV Club, Inc., Chester

New file No. 2212CTB; old file No. 1731; Circle TV Booster Club, Inc., Circle

New file No. 2306CTB; old file No. 1468; Circle TV Booster Club, Inc., Circle

New file No. 2311CTB; old file No. 1469; Roundup TV Tax District, Roundup

New file No. 2305CTB; old file No. 1470; Wolf Point TV District, Wolf Point

NC

New file No. 2120CON; old file No. 1582; NC Agency for Public T/C, Raleigh

New file No. 2173CTN; old file No. 1431; Southwestern Technical College, Sylva

ND

New file No. 2186CRB; old file No. 1598; Prairie Public Television, Inc., Fargo

New file No. 2074PRTBN; old file No. 1573; North Dakota Rural Dev Corp., Grand Forks

NE

New file No. 2312CTB; old file No. 1522; Nebraska ETV Commission, Lincoln

New file No. 2310CRB; old file No. 1671; Union College, Lincoln

NJ

New file No. 2281CON; old file No. 1523; Pemberton Township School Dist., Brown Mills

New file No. 2064PRN; old file No. 1375; N.J. Radio Info Serv, Hightstown

New file No. 2350PTB; old file No. 1623; Wayne Board of Education, Wayne

NV

New file No. 2219CTB; old file No. 1393; Elko TV District, Elko

New file No. 2295CTB; old file No. 1394; White Pine TV Dist #1, Ely

New file No. 2217CTB; old file No. 1395; City of Fallon, Fallon

New file No. 2348CTB; old file No. 1550; North Lake Tahoe Cmty Fdn, Inc., Incline Village

New file No. 2210CTB; old file No. 1563; Pershing County, Lovelock

New file No. 2058CTN; old file No. 1736; Rural Television System, Reno

New file No. 2360CTB; old file No. 1564; Nye County Commissioners, Tonopah

New file No. 2334CTB; old file No. 1726; Humboldt County, Winnemucca

NY

New file No. 2144CTB; old file No. 1672; Educational Brdcstg Corp., New York

New file No. 2343PTN; old file No. 1652; City University of New York, New York

New file No. 2355CRB; old file No. 1733; The Radio Foundation, Inc., New York

New file No. 2298PRN; old file No. 1721; American Fdn for the Blind, New York City

New file No. 2052CTB; old file No. 1609; Rochester Area ETV Assoc Inc., Rochester

New file No. 2112CTB; old file No. 1641; Mohawk-Hudson Council on ETV, Inc., Schenectady

OH

New file No. 2105CTN; old file No. 1445; University of Akron, Akron

New file No. 2213CRB; old file No. 1378; Cleveland Public Radio, Cleveland

New file No. 2169CTB; old file No. 1414; ETV Assoc of Metro Cleveland, Cleveland

New file No. 2357PTN; old file No. 1843; Russel-Robinson Comm Serv, Columbus

New file No. 2117CTB; old file No. 1376; Univ Regional Broadcasting, Inc., Dayton

New file No. 2000PRB; old file No. 1852; Edison Local School District, Hammondsville

New file No. 2021CTB; old file No. 1527; Northeastern Educational TV-OH, Kent

New file No. 2042CTB; old file No. 1766; The Public Brdcstg Fdn of NW OH, Toledo

New file No. 2136CTB; old file No. 1402; Central State University, Wilberforce

New file No. 2358PTB; old file No. 1701; City of Zanesville, Zanesville

OR

New file No. 2094CTN; old file No. 1554; Lane Community College, Eugene

New file No. 2202PRB; old file No. 1497; Comte of Span Spkg People of OR, Portland

PA

New file No. 2287CRB; old file No. 1524; Solebury School, New Hope

New file No. 2234CRO; old file No. 1335; Metro Pittsburgh Public Brdcstg, Pittsburgh

New file No. 2296CTB; old file No. 1336; Metro Pittsburgh Public Brdcstg, Pittsburgh

New file No. 2286CTN; old file No. 1689; Borough of Pottstown, Pottstown

New file No. 2347CRB; old file No. 1387; PA Association for the Blind, Scranton

TN

New file No. 2322CRB; old file No. 1420; The University of Tennessee, Chattanooga

New file No. 2147PTN; old file No. 1814; Fisk University, Nashville

New file No. 2152CTB; old file No. 1480; Denton Channel 2 Fdn Inc., Denton

TX

New file No. 2152CTB; old file No. 1480; Denton Channel 2 Fdn Inc., Denton

VA

New file No. 2001CTB; old file No. 1369; Central VA Educ TV Corp., Annandale

New file No. 2353CRB; old file No. 1434; James Madison University, Harrisonburg

New file No. 2195CTB; old file No. 1415; Hampton Rds Educ T/C Assoc, Inc., Norfolk

New file No. 2197CON; old file No. 1758; Hampton Roads Educ T/C Assoc, Inc., Norfolk

New file No. 2196CRB; old file No. 1756; Hampton Rds Educ T/C Assoc, Inc., Norfolk

New file No. 2131CRB; old file No. 1450; VA Voice For Print Handicapped, Richmond

New file No. 2056CTN; old file No. 1326; Richmond Public Schools, Richmond

New file No. 2170CTB; old file No. 1344; Blue Ridge ETV Assoc, Roanoke

VT

New file No. 2028CRN; old file No. 1321; VT Radio Info Serv Enterprises, Burlington

New file No. 2163CTB; old file No. 1765; Univ of VT & State Agricultural, Winooski

WA

New file No. 2033CTB; old file No. 1748; University of Washington, Seattle

New file No. 2330CTB; old file No. 1331; University of Washington, Seattle

WI

New file No. 2166PTB; old file No. 1492; State of Wisconsin Dept of Admin, Madison

WV

New file No. 2191CRB; old file No. 1657; Trustees of Bethany College, Bethany

New file No. 2317CRB; old file No. 1679; Kanawha Economic Dev Corp, Institute

WY

New file No. 2304CTB; old file No. 1472; Sheridan TV Translator, Inc, Sheridan.

Dated: July 6, 1982.

Bernard J. Wunder, Jr.,

Administrator, National Telecommunications and Information Administration.

[FR Doc. 82-18674 Filed 7-18-82; 8:45 am]

BILLING CODE 3510-60-M