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AUTHOR Cooney, Joan Ganz
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ABSTRACT

During its seven year history, "Sesame Street" has maintained high popularity while introducing such innovations as new cognitive curricula, new characters, bilingual elements, and affective and social education. Early goals emphasized 40 predominantly cognitive objectives aimed at helping the disadvantaged child. Additions have included location-based programs, specially designed segments for the mentally retarded, the Muppets, original music, and guest stars. Both formative and summative research have been conducted. Though attracting an audience was initially a problem, the program now has an extensive global audience. A chart of curriculum innovations is included. (EMH)

SESAME STREET

1,000 hours of a Perpetual Television Experiment

This year Sesame Street will create its 1,000th hour of original television programming. That program will be vastly different from the first show back in 1969. Perhaps the strongest testimony to the vitality of the series at age eight is the fact its producers and researchers will scarcely pause to celebrate this landmark. They are busily engaged looking ahead, and not behind, to curriculum innovations in such areas as affect behavior, health and mental retardation and to carrying the "street" to new settings: the forest, the sea, the rural South.

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An economist once noted that 1910 was a crucial year in human history because that was the year when the medical profession began to do more good than harm. I liked to think that 1969, when Sesame Street became a part of our culture, presented a similar watershed for children's television. I had a glimmer of it again two years later when "The Electric Company" burst on the TV scene as a potent and pervasive tool for classroom teachers.

I have been buoyed by what Fred Rogers, and "Zoom," and the bilingual programs of Villa Alegre and Carrascolendas have accomplished on public television, and by the occasional positive programming on commercial outlets such as ABC's "Multiplication Rock" and "After School Specials," CBS's "In the News" and NBC's "Special Treats."

Such efforts, however, must be viewed as bright but only occasional blossoms in the arid desert of television programs for children. This society is spending more money on advertising to children than in creating TV programs for them to watch—not to mention quality programs. A commercial network news reporter recently noted that about $400 million dollars a year is spent on advertising to children.

Unlike so many institutions in American society, the problem of children's television is one of motivation, not money. Reallocating many of the resources that already exist in the industry could go a long way toward improving the content and variety in children's programming.

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I am very troubled by the most immediate and potentially disastrous misapplication of the medium: televised violence. Americans are faced with an obsession with violence on the airwaves. One new study reports that more than half of all characters on primetime TV are involved in some violence, about one-tenth in killing. I used to be fascinated by statistics that showed that a child would watch more TV by the time he finished high school than he actually spent in classrooms. Now I'm astounded by the implications of an estimate that between the ages of five and fifteen a child will see some 13,000 killings on the medium.

A family hour was created by the TV industry to limit violence to programs after 9 p.m. (8 p.m. in the Midwest). The people who study audiences, the A. C. Nielsen Company, found that the curtain didn't drop when the family viewing hour ended. In fact, this season they found—to no one's surprise—that children can't be separated from the television mainstream audience. More than seven million youngsters under age twelve were found watching TV after they supposedly had gone to bed at 9 p.m. (or 8 p.m.). The family hour is to be applauded, but is it enough?

Perhaps the best answer for the moment is to deal with this problem the way we should be dealing with every kind of television program: liberal use by parents of the *off switch*. But for much of the population, the answer is going to have to come in the programming itself, not in the scheduling. It is imperative for us to avoid undifferentiated violence on a mass medium, especially when we know the young people are watching.

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Marshall McLuhan notwithstanding, television is like any technology: it exists to be used. It has the power to illuminate and convey ideas. Some of the applications might go astray, but the potential remains. Among other things, I would like to see much more television for specialized audiences, such as the old and the young, who are ill-served by a medium whose economic underpinnings dictate programs that will reach viewers who control spending dollars: the 18-to-49 year olds.

I believe that the talent and the economic resources exist to address the problems of TV and to exploit its potential in the marketplace of education and ideas as well as the marketplace of products. There is still much more to be accomplished for our children. Meantime, Sesame Street promises to continue to demonstrate in its arena that television can be applied positively, effectively and innovatively to serve social and educational purposes.

Joan Ganz Cooney
President
Children's Television Workshop
September, 1976

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For additional information contact: Public Affairs Division, CTW, One Lincoln Plaza, New York, New York 10023. Phone: 212/595-3456

INTRODUCTION

As it begins its eighth year of broadcasting, "Sesame Street" is such a familiar and accepted piece of the television landscape that few people consider the program revolutionary or, indeed, even highly unusual.

After all, why shouldn't such a powerful and pervasive medium as television teach intellectual skills and other useful concepts to preschool children? And why shouldn't the teaching be done with the sophisticated and entertaining techniques of commercial television, especially the commercials?

But in 1966, when Sesame Street was only a germinating idea, these were, in the context of the television of that day, revolutionary concepts.

Until Sesame Street flashed on the nation's screens in late 1969, the underlying purpose of any television for a mass audience of U.S. children was to sell products. Sesame Street, on the other hand, was about to court that same audience with lively entertainment that, in effect, would try to 'sell' an educational curriculum. The rest, of course, is television history.

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That Sesame Street no longer is considered a breakthrough in children's television is one measure of its achievement. Other children's shows -- including Sesame Street's first companion production, "The Electric Company" -- have used Sesame Street either as a model or a standard, or both.

That Sesame Street proved television to be a superb teacher of children when used imaginatively is another measure of its achievement. The fusion of education with entertainment was not incompatible after all.

The success of the series is evident in many areas. For one, it has always ranked among the top preferences of public television stations in their program selections. According to data from the A.C. Nielsen Company, the series accounted for one-third of the total public television audience during a four-week period in November and December 1974.

Other measures of the show's achievement might include the devoted following of children from virtually all social backgrounds, the enthusiasm and acclaim of parents, the praise of educators and, perhaps even more remarkable, the generally strong (and often unsolicited) approval of adults in a diverse range of activities. Then there are the awards -- more than 100, including twelve Emmys, a Peabody, a Prix Jeunesse and the Japan Prize.

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Today the program is broadcast on the 265 stations of the Public Broadcasting Service and on commercial channels where no public television is available. It's success has been such that an important aspect of the

program often tend to be overlooked: the essentially experimental, and hence evolutionary, nature of the show.

The fact is Sesame Street never is quite the same from season to season. At first glance the "street" may look the same, and Bert and Ernie, Big Bird, Susan and Maria and the other favorites do turn up from year to year.

But the show's goals and content have been changing all along in response to the needs and reactions of the audience.

> The more traditional educational goals that formed the original basis of the show have been changing and expanding in all areas, cognitive, social and affective. During recent seasons, for example, the series stressed the creative aspects of divergent thinking -- the idea that often there are many ways of dealing with a problem or situation.

Some of the major currents in the country also find their way into the program's content. Ecology, for example, filtered into the curriculum a few seasons ago. And, in response to the concerns of the Spanish-speaking community, bilingual elements began appearing as integral parts of the show. During the eighth season not only will the portrayal of women continue to receive special emphasis but several women will be added to the cast as regular performers.

In production values, too, the show has hardly been static. In the seventh season, a number of programs were taped on location for the first time and this trend will continue during the eighth season. In earlier seasons the street picked up snow, night scenes, seasons and new live characters and Muppets.

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Given the basically experimental and evolutionary nature of the show, Sesame Street undoubtedly will continue to change in significant ways in coming seasons.

One purpose of this backgrounder, then, is to touch upon the notable changes since Sesame Street went on the air in November, 1969.

Another is to review the entire Sesame Street experience, mainly through the people who created the series and worked on the show during the past seven years.

The aim of this report is to offer a fresh perspective on a show that started, and still represents, a continuous revolution in children's television.

A PERPETUAL EXPERIMENT

"Sesame Street" was created by the Children's Television Workshop (CTW) as an experiment in children's television -- a laboratory designed to stimulate the educational development of preschool children. Now, seven years and more than 900 hours of videotape later, the program is still an experiment. As with any long-term experiment, the series has undergone change. This is especially true of the show's curriculum goals.

Ever since Sesame Street's first season in 1969-1970, the program's curriculum goals have continued to expand each year. There has been a steady move from a primary emphasis on teaching basic cognitive skills to those that deal with the child's behavior -- teaching viewers something of what emotions are and how they function, how their feelings influence their behavior, and how they as individuals work within society. At the same time the curriculum went on to explore, for example, such themes as ecology, the Spanish language and Hispanic culture, career awareness, mental retardation and simple health practices.

> As CTW's president, Joan Ganz Cooney, notes, "Sesame Street is the only series in the history of television where the audience has played a role in shaping the content. Of all our critics, we pay most attention to the criticism of our target viewers, the children. As a result, we probably know more about how they react to any given character, sequence or show than anyone else. By the time observations are made from the outside, we're well on our way to implementing what the children have already told us. That's part of the experiment -- being our own worst critic."

EARLY OBJECTIVES: Initial curriculum goals were set during seminars in the summer of 1968 that brought together more than 100 leading specialists in early education and child development as well as researchers, writers, artists, musicians and television producers. Under the chairmanship of Dr. Gerald S. Lesser of the Harvard Graduate School of Education, the group agreed to a set of specific instructional objectives. These focused on the traditional skills the group believed would be most helpful to a child, particularly a disadvantaged child, when he entered school. The underlying premise of the show rested on research strongly suggesting that the first five or six years of a child's life were critical. It was during this period that his development was most rapid, and most subject to positive change.

For the first season the show had 40 curriculum goals mainly in the cognitive area. Over the years the curriculum has grown to reflect the natural progression of the original goals and also new areas of concern. For example, in the first season there was specific instruction in numbers, letters and geometric forms. By the second season number sets, simple addition and subtraction were added.

The chart on pages 12 and 13 highlights new curriculum goals for each season and shows the development that has taken place in the various goal categories. Over the years, affect or social behavior is the area that has undergone the most expansion.

"When the series first started," says Dr. Palmer, "there was a question of whether television could teach at all. Now we know it can, but there has been some difficulty in dealing with affect behavior because there are no clearly defined parameters here whereas in the cognitive areas there are. In dealing with emotions one has to be careful not to confuse negative and positive models."

'CONTINUING PRESENCE': The show's year-to-year continuity has become an increasingly important aspect in determining the curriculum goals. "Now that we're producing the show season after season," says Dr. Palmer, "it has become a continuing presence on the American scene. The child grows up through the program over the course of two, three, four and perhaps five years. Given we have the child for that long, and given we don't have to get across everything we have to teach in one year, we have been able to expand our curriculum very considerably. This is part of the reason the show is a continuing experiment. If we had kept the goals of the series the same -- knowing as we do now that we were going to have the children three, four and five years as compared with the initial assumption that we were going to have them only one year -- we would be missing a lot of good bets. There are a lot more things we can do."

The curriculum goals, he adds, will continue their evolutionary course. "We're always changing Sesame Street, and we probably always will."

AN EVOLVING PRODUCTION

Unlike many other children's television programs, Sesame Street does not turn on a single star or central character. If there is any one star, it is the format. Like the curriculum goals, it too has changed over the years -- if not in basic style and structure, which have proven remarkably durable and effective, then in production techniques, settings and cast number.

While the format evolved from a working relationship between producers and researchers, its starting point was an insight by Joan Ganz Cooney, CTW's president. Sometime before CTW was formed in May, 1968, she became convinced that the children of the television age possessed a high media literacy and that they were especially attuned to television commercials. In other words, they constituted, relatively speaking, a visually sophisticated audience.

As CTW's chairman, Dr. Lloyd Morrisett, recalls, "The whole premise was that, since you're going to be competing with commercial programming, you've got to give the viewers the quality they were accustomed to, particularly in the commercials."

David Connell, vice president for production, also recalls the early interest in commercials. "Joan had the idea that the television commercial would work. All of us from differing disciplines and backgrounds proved that the approach was sound. I remember a young filmmaker who came in to see us early in our planning session. He showed

us some footage of his children in a supermarket, with their random comments, which demonstrated that small children remembered product names and ingredients even on products in which they had no vested interest. What this suggested was that whatever we came up with for Sesame Street should be patterned after those commercial messages."

However, as Morrisett remembers, "We knew that a quality program would cost a lot of money, but far less than the cost of any other viable alternative." As it turned out, CTW was able to attract an initial underwriting of $8 million to launch the Workshop and produce the first season of 130 hour-long shows. Half of the total funds came from the U.S. Department of Health, Education and Welfare and the remainder from the Ford Foundation, the Carnegie Corporation, the Corporation for Public Broadcasting, and the John and Mary R. Markle Foundation.

The sizeable funding provided CTW with the resources to acquire a top notch staff and the lead time to develop a format and production that could give young viewers "the quality they were accustomed to."

The fast-paced magazine format that finally emerged became the Sesame Street style and standard. Typically each hour-long episode consists of from 40 to 50 separate segments, each with a specific curriculum goal. Through seven seasons, this format has inspired the creation of thousands of live-action and animated films, Muppet sequences and the "street" segments which give the show its continuity.

INNOVATION AND IMPROVISATION: While the Sesame Street set remains basically the same -- a bit of an inner city street -- it has undergone some modifications since the first season.

"At first it was a straight row of houses and shops," recalls executive producer Jon Stone. "We changed that to one with a corner, primarily for more interest and better camera angles. And along the way, we have added a second story, more business settings and a play area for the street children."

Later the seasons were added -- including snow -- along with night action on the street. The original shows were only in daylight.

As the show began to stress the outside world, more live action film went into the programs. "We now might have a sequence on how bread is made in a bakery or show, through time-lapse photography, how a bean is grown, harvested and delivered to the corner store," says Stone. "We now show children in the rural settings more than we did the first year," says producer Dulcy Singer.

Two major innovations during the seventh season bear special mention -- location-based programs and specially designed segments for the mentally retarded. For the first time, the show's hosts performed outside the New York studio when they went to New Mexico's Rio Grande Valley to tape five programs. The series' executive producer, Jon Stone, says, "by presenting children in the settings where they live, we add realism and dramatic impact to our goal of teaching about different

cultures." The shows involved Spanish-speaking Americans and Indians. In 1976 the producers took the "street" to an Upstate New York campground, a beach and boating setting on Long Island Sound, and planned a sojourn to Appalachia.

The special segments for the mentally retarded were included on an experimental basis and were designed not only for their value to the mentally retarded youngsters, but also to expand the applicability of one of the program's goals -- differing perspectives -- in which the child demonstrates that he is aware of and values the feelings, preferences and modes of behavior of other individuals.

Sesame Street's associate research director Lewis Bernstein says, "Our initial approach to these special segments was one of caution. In the past, the program had included handicapped people, most notably members of the Little Theatre of the Deaf. But mental retardation was new to us and an area in which not much had been done. That is why we based the segments on the 'Families Play To Grow' program of the Joseph P. Kennedy Jr. Foundation, which has proven expertise in this area."

The Kennedy program highlights physical activities that help the retarded child develop motor coordination and performance as well as self-pride and social interaction skills.

Reactions to these segments from parents and teachers of mentally retarded youngsters have been very positive.

A woman from East Norwich, N.Y. wrote: "Your decision to include a segment for retarded children on Sesame Street is just about the greatest step taken, in my opinion, for the exposure and acceptance in life's mainstream that these children need.....The service you are rendering to the handicapped and their families, as well as to humanity at large, is beautiful. Bless you all!" And from Mrs. Thomas S. Supple, vice president of the Finger Lakes Special Education PTA: "I am writing to you in regard to a recent Sesame Street program showing mentally retarded children as part of the program. It is so rare to see these children shown in the real light of day. The only time we ever see these children is on a program specifically dealing with the mentally retarded.... The producers of this fine program should be commended for being one of the few who have shown the mentally retarded children as they are -- children...."

Bernstein says, "We are pleased with the reactions and have made note of the many suggestions sent to us by both parents and teachers of mentally retarded youngsters. In the upcoming season, we will expand the segments and other program segments will be slowed down so that this audience will be able to follow them more easily."

In recent seasons there also has been a significant shift in mood. "The show has softened quite a bit from the slam-bang shows in the beginning," observes Dr. Palmer, the research vice president. "A great deal of material now is soft and gentle and gives the child an opportunity to relax. The show is in a much lower key."

The approach to the music, however, was set relatively early,

but not without some improvisation. "On our test shows, and on some of the early on-air programs, we did not use original music except for the theme," says Dave Connell. "What music we did use was of the 'let's dance' variety. We would buy records and try to fit them into the sequences. Later when we were told it would be faster to write the music than to go out and buy it and then try to make it fit, I thought the idea was the most absurd thing I had ever heard. But we tried it and it worked. We still do most of the music that way."

THE MUPPETS: Big Bird and Oscar the Grouch were created especially for Sesame Street. "Big Bird was not in the test shows," puppeteer Jim Henson remembers. "But when the decision was made to include puppets on the street, the subject got around to the story of the 500-pound canary, and that was the answer."

Snuffle-Upagus, the giant fantasy character, was created for the third season with a distinct purpose in mind. Part of the rationale was to sprinkle the street scenes with surprises. By letting only Big Bird and the kids see the Snuffle-Upagus, the producers found they could achieve one of the show's curriculum goals: seeing things from another person's perspective, an important cognitive and social concept for children.

Other Muppets have emerged through the years: Count von Count, the compulsive tabulator, Poco Loco, a parrot-like character who is used to demonstrate "differing perspectives," hardhats Biff and Sully, the Twiddle Bug family, Rodeo Rosie and Betty Lou.

In addition to making curriculum points, the Muppets have another purpose as well.

"Our aim with the Muppets -- whether it's Big Bird, Cookie Monster, Grover, Ernie and Bert or any of the other assorted big and little creatures -- is to give children something to identify with on the show," says Henson. "They can see a bit of themselves in every one of the characters."

Dr. Palmer points out another aspect of the Muppets. "They helped turn the concept of monsters from the Gothic character and style of years ago into a set of characters who are appealing and lovable. They managed to do this without losing their appeal or audience, and without falling into another of the pitfalls the show itself tried to avoid early on. We had to learn to be soft and gentle without being condescending."

CELEBRITIES: Almost from the start celebrities have volunteered to appear on the program. "There are no problems with booking 'name' personalities -- they all know the format and have an idea about the goals of the show," says Ms. Singer. "The celebrity segments appeal not only to preschoolers but also to their older siblings and parents who often control television set tuning."

Among those who have appeared are Bill Cosby, Carol Burnett, James Earl Jones, Lena Horne, B.B. King, Burt Lancaster, Johnny Cash, Ruby Dee, the cast of Bonanza, Joe Namath, the New York Knicks, the New York Mets, the Harlem Globetrotters, Arthur Ashe, Flip Wilson, Stevie

Wonder, Lou Rawls, Pete Seeger, Buffy St. Marie, Judy Collins, Margaret Hamilton, Lily Tomlin and members of the Alvin Ailey dance company.

Singer Judy Collins comments: "I feel committed to children's enlightenment and Sesame Street is the way that one can reach children. I have yet to see this achieved on commercial television."

RESIDENTS OF THE STREET: The number of permanent residents on Sesame Street has fluctuated over the years -- from a low of four during the first season, to a high of eleven during the third season. The cast size has remained at seven since the fifth season. However, during the eighth season there will be an addition of what producer Singer calls "semi-permanent residents."

"In the past," she adds, "we have been criticized for not having enough women on the show, so we are addressing ourselves to that. Buffy St. Marie, who was on several programs last season, will be back as will Linda Bove of the Little Theatre of the Deaf. In addition, singer Alaina Reed will join the show. These three performers will be included on a regular basis."

This is just one of the ways in which the show continues to reflect the changes in society. To meet the need for portraying women in roles other than the traditional one of wife and mother, the producers have given Sonia Manzano, who plays Maria, a job in the Fix-It Shop. When Buffy St. Marie moved onto the street in the seventh season, she found a job as a cab driver.

Actress Loretta Long also notes a change in her attitude toward herself and her characterization of Susan. "I was too nice at the beginning, the great dispenser of milk and cookies. Just as the role of women in our society has changed in recent years, so have the roles we created changed. Now I am something besides a wife. I have an outside life as a nurse on the show. It's affected my relationship with the children -- I can 'rap' with them more -- and with my stage husband, Gordon, who has also evolved in personality and dimensions from the character of seven years ago."

But changes have been evident in other characters as well. Will Lee, who plays the role of Mr. Hooper, the candy store keeper, says, "Far from being one-dimensional as were at the start, the characters have become real people, with real problems, to the children."

Bob McGrath, who plays the role of Bob, sees a major change in his relationships with the children. "We had the children just stand around on those early shows. Today we are more natural with the children and let them speak their own ideas on a problem."

McGrath credits part of the change to the younger children on the set and to the music which has sharpened his role on the street. "What I find particularly gratifying," he adds, "is that Sesame Street has accomplished more than teaching letters and numbers to preschoolers. The show has affected the viewpoint of the parents, too. When we make personal appearances, parents will say 'thank you' for showing my children a broader point of view of life that I couldn't show them myself."

A FLEXIBLE APPROACH: "Viewers have responded more favorably to

slap-stick than any other comedy form we have tested -- that's why we use it so heavily," says researcher Tricia Hayes O'Donnell. "What children haven't found very funny are satires on adult soap operas and we once had a Muppet character named Dr. Hastings who was always falling asleep. All he did was put the children to sleep."

Says production vice president Connell: "We've tried to be flexible in our approach to the show. Within the confines of the curriculum we've made every attempt to give the children what they wanted and to give the production people what they wanted. We've also made an effort to adapt our programming to the suggestions of the many thoughtful people who have commented on the show or have written to us."

THE ROLE OF RESEARCH

Research plays a fundamental role in the season-by-season development of Sesame Street. To a large degree this is because of its unique place in CTW's operations.

Prior to Sesame Street, educational television had either an educator or a producer in charge. CTW changed that. It gave the educator and producer equal status in the synergistic decision-making process. Hence CTW is both a television production unit and an educational laboratory. One cannot exist without the other.

"In a program like Sesame Street, it was necessary to plan the curriculum and to state the educational objectives in such explicit terms that producers and researchers -- including those who would be carrying out pre- and post-season achievement testing -- could proceed without ambiguity of purpose and in a coordinated fashion," explains Dr. Edward Palmer, the research vice president.

"In the beginning we put most of our attention on the goals we understood best," he says. "These were the goals that dealt with numbers, letters, geometric forms, body parts, and alike as opposed to the more wispy kinds of things like attitudes, social objectives and emotions and how to cope with them. Later we were emboldened by our success in the more cognitively oriented areas and began to deal more explicitly with the social and affective domains."

FORMATIVE AND SUMMATIVE RESEARCH: "We use 'formative' and 'summative' research," Dr. Palmer explains. "Formative research is part of the trial and revision process. It consists of taking partially completed materials out into the field, testing them, and feeding the information from that testing back into the continuing production process.

"Summative research is undertaken to assess the extent to which the program has achieved its educational objectives once it is on the air. It consists of going out into the field and testing groups of viewing and non-viewing children to see what learning advantage there is as a result of viewing the show. It is usually done by an independent testing organization.

"At the beginning of the Sesame Street project we were not at all clear on just what functions formative research could serve. After all, there were no precedents of sufficient scope or generality to give us any

clear guidance."

So Dr. Palmer and his staff began to develop their own research techniques. One of these was the "distractor," a rear-screen projection device which flashes various slides on the screen every 7½ seconds to determine if the child's attention can be diverted from the television set. Researchers note the child's eye movements and from this can determine a segment's ability to hold his interest from moment to moment.

"We really began to believe in that research when the distractor was used on the test shows," says David Connell, CTW's production vice president. "Our instincts had told us that so long as we were showing the Muppets or film, the child's attention could be held. But the street segments worried us. It was just a street. Nothing exciting happened there. The researchers showed us our instincts were right. Youngsters responded to the fast-paced segments and lost interest when the street scenes came on. As a result, we decided to use puppets on the street so it could be a fantasy kind of place. This testing of actual shows led to the creation of Big Bird and Oscar."

RESEARCH AND PRODUCTION -- MAKING THE CONCEPT WORK: Researcher Tricia Hayes O'Donnell and her then fellow researcher Sharon Lerner remembered events that helped to create a practical working partnership between researchers and production people, particularly the writers. "We had a writer's notebook which attempted to explain in lay language the behavioral goals we were trying to achieve, but sometimes it was better to illustrate the point by first-hand observation," Mrs. O'Donnell says. "So, we did a lot of systematic childwatching."

Mrs. O'Donnell remembers one incident in particular. "We were hung up on how to demonstrate cooperation to a three-year-old, so in one of our field studies we went to a park. There were two small children sitting in adjacent swings both yelling 'Push me!' After awhile, it occurred to one of them that if he pushed the other non-swinger, he might be pushed in return. We included this in the writer's notebook and it was incorporated into the show."

TESTING PILOT SHOWS: Of the research undertaken before the first season debut perhaps the most significant was the testing of five hour-long pilot programs.

"It forced us to make decisions much earlier than we might have otherwise," recalls Connell. "It forced us to cast the show and this gave the performers a chance to work together as a group. It gave the writers a chance to piece together a complete show from what, up until that point, had been individual segments. And it gave us actual experience in checking out what formative research had indicated as promising."

As Dr. Palmer remembers, "for those of us in research the pilot shows meant we could evaluate completed programs with children in their actual viewing situations -- their homes. It would also provide us with a check against what suggestions we already had made to production, and we could do a pilot test on the summative research procedures that were being developed by an outside research organization."

The testing was done in day care centers in New York and under

actual broadcast conditions in Philadelphia. Summative research, conducted by the Educational Testing Service, (for a description of results see page 16) was completed in the spring of 1970 after the close of the first season.

Formative research, of course, continues and the current emphasis is on affective behavior. For example, a study of the social goal of "cooperation," conducted by CTW's research and production staffs with a research group in Oregon, suggests a sample of children learned cooperative behavior from experimental segments inserted into Sesame Street programs.

The research staff is now conducting a comprehensive field study to pin-point and evaluate the attributes that make a particular show, segment or portion of a segment more or less appealing and comprehensible to children. "We're trying to identify the attributes that typically are present in a winner," explains Dr. Palmer. Dozens of attributes are under study, he says, such as pace, redundancy, fantasy vs. realism, and so on.

In 1974, CTW completed an extensive bilingual and bicultural study to define a curriculum that would be relevant to the Spanish-speaking child and also determine the linguistic and cultural symbols that would help the child recognize and appreciate his Hispanic heritage. "As a result of our work of the past few years," says Dr. Palmer, "we now have a television show that makes a four-year-old child of Spanish background feel that the show sees him out there and that it is talking to him. We think this is an accomplishment."

ATTRACTING THE AUDIENCE

Long before Sesame Street's debut in 1969, CTW concluded that off-beat approaches would be needed to build a large audience of pre-school children, particularly in economically deprived neighborhoods.

CTW's advisors agreed that these efforts should involve parents and extend beyond the television set. As Dr. Chester M. Pierce, psychiatry professor at the Harvard Graduate School of Education and member of CTW's advisory board, recalls: "We had a double problem that first year. The first was that before Sesame Street the audience for public television was very small. The second was the matter of difficult-to-dial UHF stations in some of our target-viewer urban markets."

To meet these challenges, CTW's staff during the first season worked closely with public television stations in selected cities across the country. By the second season premiere in the fall of 1970, CTW had organized a field services department with full-time field representatives in several urban and rural centers. This grass roots activity, something new in television, now covers 31 states.

Coordinators, originally drawn from Vista and the Peace Corps, work closely with educators, community-action agencies, neighborhood groups and individuals to establish viewing centers for working mothers or parents

(Text continued on page 14)

CURRICULUM INNOVATION

Original Goal Categories (1969-1970)	Second Season (1970-1971)	Third Season (1971-1972)	Fourth Season (1972-1973)
	MAJOR NEW GOALS Bilingual skills	Ecology; Bilingual/ Bicultural education	Social attitudes; Spanish sight words
SYMBOLIC REPRESENTATION: letters; numbers 1-10; geometric forms	sight words; numbers 1-20; number sets; addition and subtraction	verbal blending	Spanish sight words; measurement
COGNITIVE PROCESSES: perceptual discrimination; relational concepts; classification; ordering; reasoning and problem solving	**COGNITIVE ORGANIZATION:** property identification; multiple class inclusion and differentiation; multiple classification and regrouping	goals remain the same	sorting by activity
	THE CHILD AND HIS WORLD: the mind and its powers; audience participation; emotions, conflict resolutions	quality of the environment/ecology	the child and his powers; emotions; social attitudes (this goal given major emphasis this season)
SOCIAL ENVIRONMENT: social units/ self; roles, social groups and institutions of concern to children; social Interactions; differing perspectives; cooperation; rules which insure justice and fair play	now included under The Child and His World	**BILINGUAL/BICULTURAL EDUCATION:** Spanish language performers; customs and art forms	Spanish sight words
PHYSICAL ENVIRONMENT: the child and the world around him; man-made environment	now included under The Child and His World		
	REASONING AND PROBLEM SOLVING: making inferences; generating explanations and solutions; evaluating explanations and solutions	goals remain the same	goals remain the same

Chart traces new curriculum developments on Sesame Street. Column at left shows goal categories and summarizes the goals during the first season. Successive columns chart season-by-season curriculum additions to the experimental TV program.

Fifth Season (1973-1974)	Sixth Season (1974-1975)	Seventh Season (1975-1976)	Eighth Season (1976-1977)
Emotions; self-esteem, coping with failure; entering social groups	Career awareness; Creativity/divergent thinking	Education for the mentally retarded; Bicentennial	Vocabulary development; Sight phrases; Spanish sight phrases; Role of women; Health practices
more complicated geometric forms	goals remain the same	goals remain the same	vocabulary development; sight phrases; Spanish sight phrases; revision of sight word list
goals remain the same	goals remain the same	goals remain the same	goals remain the same
coping with failure; entering social groups; self-esteem	creativity/ divergent thinking; career awareness	location-based programs initiated to add impact to goal of "cultural diversity"	role of women
goals remain the same	goals remain the same	goals remain the same **EDUCATION FOR THE MENTALLY RETARDED**	**CULTURAL DIVERSITY:** this now includes, Bilingual/Bicultural Education; Spanish sight phrases
		THE BICENTENNIAL	**HEALTH PRACTICES**
goals remain the same	now included under Child and His World	now included under The Child and His World	now included under The Child and His World

without television. They also encourage follow-up activities by parents to reinforce the lessons of the show, and distribute supplementary educational materials related to the program's curriculum, such as the "Sesame Street Magazine."

"Many of the youngsters we especially want to reach are in low-income families," says Evelyn P. Davis, CTW's vice president for Community Education Services. "Without special viewing centers, it would be impossible to get to precisely the children we want most to teach."

SPREADING THE WORD: To develop nation-wide interest in the show among young children and their parents, CTW launched a massive information effort. As CTW's president Joan Ganz Cooney notes, "Changing the viewing habits of preschool children from purely entertainment fare to an educational show was a major obstacle we had to face and overcome. We had to take every opportunity to spread the word about the show. Our publicity effort was of a scope that few, if any, television shows had ever undertaken for preschoolers."

That effort took many forms. The news media provided broad pre-show coverage. A nationally-televised news conference announced the series six months before its premiere. The series itself received a prime-time preview on a commercial network two days before its public television debut. National Educational Television, the predecessor of the Public Broadcasting Service, helped. So did local stations. Even commercial outlets that would not be carrying the show cooperated with advance announcements and special promotional features.

In its seven seasons of broadcast, the media has continued to report in detail on the progress of the Sesame Street experiment, including observations of its admirers and critics.

Executive producer Jon Stone says, "We thought we had a good show that met the educational goals. But if we failed to attract an audience, there would have been no place for us to hide." As it turned out, there was no need to hide.

AUDIENCE AND COST: By the end of the first season Sesame Street's audience, based on CTW studies, was estimated at nearly five million children. Since then the audience has nearly doubled, reaching preschoolers in all areas where the series is broadcast.

From a cost standpoint, Sesame Street turned out to be an educational bargain. In its most recent season (1975-76) the program's cost -- including production, research and evaluation -- was estimated by CTW at 42 cents per viewer for the 130-program series, or much less than a penny per viewer per each of the 130 one-hour programs. An estimated nine million youngsters watch the program.

Former U.S. Commissioner of Education Sidney P. Marland described Sesame Street as "one of the best investments the Office of Education has ever made." The show's comparatively low cost per viewer stems primarily from production efficiencies. As production vice president Connell says, "Look at what it costs us per hour versus the average Saturday morning fare. Our average cost is about $35,000 per hour of show produced.

(Continued from page 11)

Saturday morning commercial half hours for children cost in the range of "85,000."

PBS President Lawrence K. Grossman had this to say about Sesame Street in 1976: "Thanks to this long-running and expensive children's series, television viewers in every community were first made aware of the splendid alternative that public television could offer in the way of education, information and programming quality. Then came The Electric Company, Mister Rogers and Zoom. And the children of this country, for the first time, were served effectively and treated with respect by an entire television system. Sesame Street, The Electric Company, Mister Rogres and Zoom are long-running and costly to produce. But they have been more than worth every nickel of their cost to public television. For most people, these programs quickly became the cornerstone of public television in their own communities."

NON-TARGET AUDIENCE VIEWING: A significant finding of an A.C. Nielsen Company study is the increasing number of households with no preschool child that nevertheless tune in to Sesame Street. More than 20 per cent of these households viewed the program an average of 2.3 times on a six-week cumulative basis during one recent rating period. "This suggests to us that Sesame Street has a special appeal beyond the primary target age group," says Dr. Palmer, the research vice president. "It appears that older children and adults view the show."

OTHER MEDIA: The early success of the Sesame Street Magazine led to the development of other materials that involve physical manipulation and participation -- games, toys, books and records. CTW eventually created a special division to license manufacturers to insure that their products enhance the educational aims of the series.

Along those lines CTW during the 1975-1976 school year introduced, with the Addison-Wesley Publishing Co., a major producer of educational materials, a set of multi-media classroom kits. The set uses curricula from both Sesame Street and The Electric Company to teach beginning reading skills.

Bilingual materials are being designed for introduction to classrooms during the 1976-77 school year.

In addition to the instructional value of all CTW play items, their production and sale provide funds to help support CTW's experiments in instructional television.

THE SERIES GOES GLOBAL

What started as a uniquely American television series has spread rapidly around the world. As Sesame Street begins its eighth season in the U.S., the series, in various versions and languages, was being broadcast in more than 50 other countries and territories.

During 1975-76, new culturally adapted versions through a concept called "Open Sesame" went on the air in French-speaking Canada, France,

Belgium, Spain and Sweden.

Four overseas co-productions are also being broadcast: "Plaza Sesamo," in Mexico and Latin America; "Vila Sesamo," a Portuguese-language series in Brazil; "Sesamstrasse," in Germany; and "Sesamstraat," in Holland and Flemish Belgium.

Meanwhile the English-language version is being shown in 40 countries and territories, including such places as Pago Pago, Japan, Singapore, Yugoslavia and Saudi Arabia. In addition, there have been experimental runs of Sesame Street in several other countries to test the series' appeal and effect. Even Poland and Rumania have run a limited number of programs.

ENGLISH-LANGUAGE VERSION: Interest in Sesame Street abroad came quickly after the series went on the air in this country in late 1969. Canada, Australia and New Zealand were the first to inquire and within a few months there were requests from most of the English-speaking world and from several countries where English is spoken or taught as a second or third language.

Since CTW's funding was for the full-time production of the U.S. series, the Workshop had not considered the possible uses of the program outside the country. For example, CTW had not provided for the dubbing of a foreign language, or even changing the English dialogue to reflect the idiom of another land. Videotapes of the show were made with a single track so there was no way to separate voice, music and sound effects. Hence the exportable product initially was the original English-speaking version that was produced to reflect the culture of this country.

However, CTW clearly stated at the outset that it would not tell any country that Sesame Street would be beneficial to its preschoolers. While CTW had learned a great deal about the educational value of the series in the U.S., it did not have the same knowledge of another culture and could not assume the same educational options would be appropriate for any other country.

Thus CTW made the series available to educators and broadcasters outside the U.S. who believed the original version of the show would be appropriate for their audiences. In Japan, for example, the series has been used to teach English to older children.

LOCALIZED VERSIONS: Plaza Sesamo is produced in Mexico City for a potentially larger audience than the United States' preschool population. There are an estimated 22 million preschoolers in Spanish-speaking Latin America.

Latin American producers, writers, and actors created Plaza Sesamo after consulting academic advisors and early childhood experts throughout the Southern hemisphere. While some of the animation and puppet sequences are from the U.S. version, the series is basically designed for Latin understanding. Even the puppet figures have taken on Latin American overtones. Instead of Oscar the Grouch there is Paco, an opinionated parrot. And the Big Bird role has been transformed to

a crocodile-like creature named Abelardo.

Plaza Sesamo's current cycle of new shows contains an entirely new format -- 260 half-hour shows (the first season's 130 one-hour programs). The new series, a joint effort of CTW and Televisa, Mexico's largest television network, is being distributed throughout Spanish-speaking Latin America as was the earlier series which was seen in over a dozen Latin countries.

Vila Sesamo, the Portuguese-language version produced jointly by TV Globo in Rio de Janeiro and TV Cultura in Sao Paulo, went on the air in Brazil in 1972, as a daily 55-minute series intended for the country's 11.5 million preschool children. The show, viewed in 18 Brazilian states, featured Garibaldo, an immensely popular equivalent of Big Bird. As with the Spanish version, educators and early childhood experts in that country advised the show's producers in the development of the curriculum. A second series, in a new format of 260 half-hour shows, began broadcasting in 1974.

The German-language "Sesamstrasse" has been seen twice daily on most of Western Germany since 1973. The series, a co-production of Norddeutscher Rundfunk (NDR) and CTW, began its fourth broadcast year in 1976. It is also seen in parts of German-speaking Switzerland and Austria.

The newest co-production is the Dutch "Sesamstraat," which premiered simultaneously on Nederlandse Omroep Stitching (NOS) in Holland and Belgische Radio en Televisie (BRT) in Belgium in January, 1976. It includes puppet sketches, live action films and animated cartoons taken from the original and local sequences, produced by NOS featuring both Dutch and Belgian performers.

OPEN SESAME: This is a series of sixty-five 27-minute programs which CTW has developed for adaptations by overseas broadcasters in various languages. It employs many of the most popular features and characters of the U.S. original.

Open Sesame consists of puppet sketches, live action films and animated cartoons which make for a fast moving, entertaining and educationally balanced format. The choice of these components was based on their easy adaptability to other languages and cultures. When dubbed, Open Sesame takes on the language and cultural nuances of a given country. The voice track is produced locally and, in many instances, the puppet characters involved take on names that have more significance to the viewers. For example, the Cookie Monster is known as "Macaron" in France, as "Croque-Croque le Monstre" in French-speaking Canada and as "Kakmonstret" in Sweden.

The first broadcast of the new series, a 15-minute French-language adaptation titled "Bonjour Sesame," began in France in 1974 where it is seen on the widely viewed TF 1 five times weekly throughout the country. In Belgium, the program is being seen on Radiodiffusion-Television Belge (RTB). A similar French-language adaptation, titled "Sesame," specifically adapted for French-speaking Canada and dubbed by Radio Canada, premiered in 1975.

"Sesam," a Swedish adaptation debuted in 1975 on Sveriges Radio

Channel 2. And in Spain, "¡Abrete Sesamo!" made its debut in the same fall on Television Espanola (TVE).

THE IMPACT OF THE SHOW

> "Sesame Street is the most responsible program that has been developed for children as a way of introducing them to some of the basic tools necessary for the attainment of literacy. Just as children can readily distinguish a toy -- that is, something that is specifically designed for them -- they also realize immediately that this is a program for them."
>
> -- Margaret Mead

Sesame Street proved at least two things: it could teach youngsters basic facts and skills and at the same time attract a large and devoted audience. The show did something else, too. It won the acclaim of persons in many fields and in many countries.

Grace Hechinger, writing in the 1975 Education Supplement of The New York Times said, "Sesame Street has made it impossible for television networks ever again to say that quality children's programming will not attract a mass audience....."

Harvard psychologist Dr. Jerome Kagan commented, "Sesame Street is telling millions of people that learning itself is important and maybe the youngsters will carry this attitude toward learning with them even when the TV set is off."

In 1974 Bob Wisehart of the Boca Raton Florida News wrote, "I like it not because of its grandiose educational aims, which I have no intention of slighting, but because it consistently provides fresher entertainment than most of the so-called adult programming."

As for Sesame Street's effectiveness, an evaluation after the first season by the Educational Testing Service (ETS), a non-profit organization, resulted in these principal findings:

- --Children who watched the program showed greater learning gains than children who did not, regardless of whether they were from inner-city, suburban or rural homes or whether they were boys or girls or black or white.
- --Children who watched the most gained the most.
- --The skills best learned were those that had received the most time and attention on the program.
- --Three-year-old children made greater gains than older children.
- --Children from disadvantaged situations who watched frequently made gains that surpassed those of middle class children who watched infrequently.

The last point is particularly significant because one of Sesame

Street's prime purposes was to reach disadvantaged preschoolers.

In another important finding, children who watched the show the most, and hence learned the most, tended to have mothers who watched the program with them. Moreover, these mothers often discussed the program with their children, reinforcing the lessons.

This finding supports the view of anthropologist Margaret Mead who wrote, "It seems to me that a child will get the most out of Sesame Street when the adult who spends the most time with her or him watches the program often enough to know what is currently going on. Otherwise, as with all unshared programs, the child's viewing may separate child and parent or child and teacher instead of providing background for more communication."

Dr. Samuel Ball and Gerry Ann Bogatz, ETS researchers who directed the national summative evaluation of Sesame Street from the beginning, said after the first season results that, "To those of us who have been studying the show since its creation, a good deal of what has been noted seems rather remarkable. We remember the pre-Sesame Street days only two years ago when many educators were questioning if nationally televised educational television was capable of teaching even the most simple skills, such as reciting the alphabet."

"Sesame Street has proved that television can be a very successful educational medium, and its potential has only just begun to be realized. Right now, through Sesame Street, it's teaching our children some basic facts and important cognitive skills."

RESULTS CONFIRMED: Later studies by ETS confirmed the first-year results. Perhaps more gratifying were the new data turned up by the studies. For example, teachers of even one-year Sesame Street "graduates" reported that these children were better prepared for school than youngsters who watched the show infrequently or not at all. The report also noted that there was nothing to suggest that the change from a fast-paced television format "turned-off" children to conventional classroom instruction.

Other evidence suggested gains in favorable viewer attitudes toward people of other races. Likewise, Sesame Street seemed to have a positive impact in the areas of vocabulary, mental age and I.Q., as measured by performance on one of the standardized tests used with preschool children. These results, it should be noted, have never been among Sesame Street's objectives. The program also was found to be as effective with five-year-olds as with three-year-olds, a conclusion not drawn in the first year study.

PBS AUDIENCE SURVEY: A nationwide study of public television audiences showed that the series continues to attract a large audience. The Public Broadcasting Service study, based on data from the A.C. Nielsen Co., found that the series accounted for fully one-third of the total public TV audience. Over a four week period in November and December, 1974, the study found that the program was viewed by almost 14 million households or 19.7 per cent of all U.S. households.

For the first time, Nielsen provided data on the cumulative PBS

audience for "white" and "non-white" households, and they found near parity in the "reach" of public TV to these groups. Sesame Street was viewed by a cumulative total of 20.8 per cent of "non-white" households and 19.6 per cent of "white" households.

INNER-CITY STUDIES: Other surveys have pointed up the continuing impact of Sesame Street in inner city homes. Daniel Yankelovich, Inc., conducted three studies between 1970 and 1973, including surveys in New York's East Harlem and Bedford Stuyvesant areas, and in low income neighborhoods of Chicago and Washington, D.C. Mothers or other older persons surveyed reported the incidence of regular viewing by preschool children from household to household. Here are the results:

Area	Households Reporting Regular Viewing		
	1973	1971	1970
Bedford Stuyvesant	92%	77%	90%
East Harlem	94%	86%	79%
Chicago	97%	95%	88%
Washington, D.C.	67%	59%	32%

Washington's audience doubled between 1970 and 1973, and is particularly significant because the program is on a relatively hard-to-dial UHF frequency.

"On the basis of other similar studies, we might well by now have anticipated a leveling off or decline in Sesame Street viewing," Yankelovich's 1973 report observes. "Instead, the program has become virtually an institution with ghetto children."

PARENTAL FAVORITE: A nationwide survey of parent reaction to television programs ("Television and the Public"), sponsored by CBS and conducted in 1970 by the Bureau of Social Sciences Research, reports that parents ranked Sesame Street first among the programs their children watched and which they, the parents, considered best for them.

In an unexpected finding, the 1970 report (conducted within weeks of the program's initial broadcast) reveals Sesame Street was the most frequently mentioned children's program when the series eclipsed traditional children's favorites by several percentage points. The study concludes that "the best-regarded programs are those that are designed to educate and not just to entertain. Sesame Street lead the list of favorite programs in 1970 despite the fact that half the samples of parents could not receive an educational television station."

CTW's advisory chairman, Dr. Gerald Lesser, believes Sesame Street's large audience is one of the show's greatest achievements. "We weren't kidding anybody," he says. "We said we were going to do something educational with this show. And we've done it. Sesame Street has demonstrated that educational television -- and I don't mean educational television in the classroom which has been a disaster from the word 'go' -- can be successful in competitive terms; that is, in attracting a large and loyal audience."

STRONG IMPACT OVERSEAS: Studies of Sesame Street's effectiveness have been conducted overseas and the findings, for the most part, closely

parallel those in the U.S.

Plaza Sesamo's value has demonstrated through tests in Mexico of comparable viewing and non-viewing groups of three-to-five year olds. Included were tests before the show was aired, again after seven weeks of telecasting, and finally post-tests six months after the show's debut. The tests -- which involved 173 youngsters and were conducted under the supervision of Dr. Rogelio Diaz Guerrero, director of the Center for Research and Behavioral Sciences in Mexico City -- showed that viewers outperformed non-viewers in nine different achievement tests that reflected the educational curriculum of the series.

Meanwhile, a team of educators of the Hebrew University of Jerusalem reported in a September, 1972 study that five year-old youngsters of low socio-economic background had registered gains after watching Sesame Street for a few months.

In Australia, K.I. Lemercier and G.R. Teasdale, reporting on a Sesame Street study in that country, concluded that the "superior performance" of the subjects in their study supported the conclusions of summative research in the U.S. Their report was published in the Australian Psychologist of March, 1973.

The introduction of Sesame Street in the Caribbean territory of Curaçao has had the effect, according to Professor Harry Lasker, of Harvard, who directed an independent survey of the public's response to the program there, "of demonstrating the positive use of television as a means of educating the children in a country where an equal amount of time is spent in the classroom and in front of a television set."

The survey in Curaçao, conducted four months after Sesame Street was introduced in the Papiamento-speaking territory, revealed that an estimated 59 per cent of the children whose homes have working television sets watch the show almost every day, while about 80 per cent view the program from time to time.

And in the nearby Caribbean nation of Trinidad and Tobago, Farouk Muhammed, program director of Trinidad and Tobago Television (TTT), reported that "Sesame Street is introducing new concepts to both the preschoolers and the older children to which they otherwise wouldn't have been exposed."

In Jamaica, youngsters responded to their first exposure to television through Sesame Street. In an unusual research project, a team of international researchers, working with Jamaican educational broadcasting officials, undertook a special study to assess the impact of TV and its potential educational value among children who had never before been exposed to the medium. Using mobile video-cassette systems, a Harvard University team took Sesame Street to remote mountain villages to test the reaction of first-time viewers.

The results showed that attention levels in these children who had never watched television before was comparable to those of more experienced television viewers in the United States. It showed also that programs that appeal to children in the U.S. also appealed to the Jamaican children. It was interesting also how quickly the Jamaicans adapted to the television medium, the researchers said.

INTERNATIONAL ACCLAIM: Educators from around the world, like their U.S. counterparts, found that Sesame Street was indeed unique. The International Commission on the Development of Education cited Sesame Street as "the most important audio-visual experiment aimed at preschool children so far." The commission, headed by Edgar Faure, former Prime Minister and Minister of Education of France, was established by the United Nations Educational, Scientific and Cultural Organization (UNESCO) in 1971.

Shortly after its original airing, Plaza Sesamo became the most popular children's program on Mexican television, and is has also been well received in Central and South American nations and Puerto Rico.

El Heraldo de Mexico, a leading newspaper in the capital, said, "Plaza Sesamo, a program which begins a new period in Latin American television, is a complete success." A Mexico City TV critic enthused: "A stupendous program....one of the best presents that children have received from TV."

In Ecuador, El Telegrafo, the nation's largest daily newspaper, said of the Spanish-language series: "In this age of electronic pictures and miracles, a marvelous door opens to deliver the unequalled treasure of education and easy learning of the ABC's and numbers, in the original, beautiful, entertaining and exciting manner, to astonished eyes and ears of children -- Plaza Sesamo."

Chile's Ultimas Noticas, the second largest newspaper in the country, commented: "Plaza Sesamo would seem to fill an important gap, and as time will tell, will be an important contribution for the little people of our country."

Vila Sesamo, the Portuguese-language version, has also fared well. The series received the Helene Silveira Award -- the Brazilian equivalent of the American Emmy -- as the best educational program, and the actress playing the female lead, Sonia Braga, was selected as the top actress of the year.

Brazil's former top educational officer, Jarbas G. Passarinho, the then minister of education and culture, said that "Vila Sesamo represents an excellent instrument of preschool education which is of great value and power in the field of communications." He praised the series particularly for the "variety of its offerings, for the charm of its characters, for the quality of its dialogue, and for the appropriateness of the topics with which it deals."

ACCOLADES IN EUROPE: Sesamstrasse, to has received accolades from private and professional sectors. Germany's leading news weekly, Der Speigel, devoted a 14-page story to the program within a month after the show's debut in 1973, calling Sesamstrasse "the supershow of the season." The same news weekly quoted the West German Science Minister Hans Leussink as calling the series "so far the most successful TV contribution to preschool education."

In research conducted in 1974 by the Hans Bredow Institute for Radio and Television, which is observing Sesamstrasse for the

Federal Ministry of Education and Science, the program moved into first place among all shows seen by children from ages three through ten. The program attracted 89 per cent of the youngsters who watched television, a 17 per cent increase from a comparable period in 1973. And among parents, Sesamstrasse ranked first, with 79 per cent of those in the sample selecting the program as especially suitable for preschool children. This was a 13 per cent increase from the previous year.

In Belgium, critic Andre Thirifays wrote in Le Soir: "Bonjour Sesame opens the way to evidence, to nourishment, to books to come..... and the doors of dreams and enchantment." Bonjour Sesame has received a gold medal at Milan's MIFED international exhibition.

Perhaps the most gratifying international reaction occurred in Great Britain. After the British Broadcasting Corporation decided against the series, test showings and telecasts on London Weekend, that city's commercial outlet, brought such favorable public and press response that Sesame Street was shown regularly over stations covering over much of Great Britain, including London.

The showing in the British Isles also brought some of the most satisfying accolades that the program has received. In a London Times editorial page essay, Nigel Lawson, once the editor of the intellectual journal, The Spectator, wrote: "I have little doubt that Sesame Street is the most important programme ever to have been shown on television. It is, in its way, a minor miracle."

And British TV producer Sasha Moorsom, in the September 1973 issue of Encounter, wrote, "Perhaps we should admit that, at the moment, this is something that the American Children's Television Workshop does better than anything we Europeans are doing, and go on to take advantage of the outstanding skill (and money) that has gone into the preparation of the remarkable Sesame Street."

TV'S MOST HONORED SHOW: Sesame Street has won more than 100 awards, including 20 major honors, since its debut in 1969. Included are twelve Emmys -- presented by the National Academy of Television Arts & Sciences for the series, its writing, its Muppets and its music -- and the George Foster Peabody Broadcasting Award. The program also won the European Prix Jeunesse International Award and the Japan Prize.

SESAME STREET'S LESSONS

Because of its experimental and evolutionary nature, Sesame Street has taught CTW and its advisors valuable lessons about television, education and young children.

TV CAN TEACH: As Dr. Chester Pierce, professor of psychiatry at the Harvard Graduate School of Education and member of CTW's advisory board, says, "There are very positive impacts of the program. The most overt is that the show has demonstrated that you can teach by television techniques at any age. In a covert manner, the series had led the way for a sequence of changes of attitudes whereby more dignity is directed to the needs of children. Sesame Street has fostered the role and the

worth of individualism -- kids can say, 'they're doing this for me.' It has helped in the fight to make the child feel he has a first-class citizenship, he means something, he is an individual."

UNIVERSAL APPEAL: Next is the matter of the visual and audio appeal of television programming. "Unlike other studies of successful applications of television to education which, in the main, have taken the form of a televised classroom course with required viewing, the appeal of Sesame Street and the way it is presented is the sole incentive to viewing," says Dr. Gerald Lesser of Harvard's Laboratory of Human Development and chairman of CTW's advisory board.

"It has taught us that entertaining television can teach without hiding educational intentions and still attract a large and devoted audience of young children from all parts of the country. Kids accept TV on TV's terms. They accept school on school's terms. And even with the non-requirement to view," Dr. Lesser continues, "the program gave us our first real evidence, beyond scattered anecdotes from parents, of the remarkable rate at which children can learn in response to television."

"What this suggests is another of Sesame Street's lessons: we must begin to appreciate how well and how rapidly children can learn at very young ages, especially from visual media."

VALUE OF REPETITION: To CTW's vice president for research, Dr. Edward Palmer, the repetitiveness of Sesame Street's lesson segments is one way learning can be accomplished. "Each time a child views a segment, he sees something new, something he didn't see before," he says. "And what he learns may not be at all what another child, viewing the same material, takes away from the experience. What it does mean, though, is that from repetitive education by television, each child has an opportunity to gain increasing amounts of positive information, regardless of his point of view."

TV DOESN'T PUNISH: "Even more important," says Dr. Palmer, "is television's non-punitive nature. This greatly relieves the pressure to 'pass' -- a child can flunk school, neighborhood, family, friends and a host of other things, but he can't flunk television."

David Connell, CTW's production vice president, sees television as an opportunity to expand both the intellectual and the emotional content of learning. "I am convinced that there is no separateness to the two -- if a child learns to count or to say the 'A-B-C's,' he has a feeling about it," he says. "And, if he learns something about emotions, he has a concept of them.

"To me, our experience with Sesame Street has proven that television can be a flexible and responsive medium. It can be tailored to the particular needs and desires of its audience. And despite some criticism that television produces passive 'zombies', the show has demonstrated that good television can result in active involvement."

"The advent of television constituted a quantum jump in the relationship between the child and the world at large. Children learned by absorbing lessons that were not taught in the conventional way in school - a new reality to which educators found it difficult to adjust. Traditionally, the implict assumptions by parents and educators alike had been that children could only learn through formal schooling. It took the phenomenal success of Sesame Street to drive home the fact that these assumptions were obsolete. Television had become a teaching tool, whether educators themselves used it or not. Neither good nor bad in itself, its influence is inescapable."

"Growing Up in America," Fred M. and Grace Hechinger, 1976