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AUTHOR   Teale, William H.
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ABSTRACT
                Instead of merely correlating the amount of time a
child is read to with gross measures of language development or
reading achievement, researchers need to examine closely, through
naturalistic studies, the underlying construction and organization of
story book reading events between parent and child. The notion of
scaffolding, in which the adult supplies a structure of supportive
information that is gradually decreased as the child becomes less
dependent, plays a large part in reading aloud to very young
children. The pattern of interaction changes for older children, to
one in which the adult expects the child to listen to particular
segments of text, learn from the information contained in the
material, and remember and convey the content to the adult in the
questioning that follows each segment. This interactional pattern
helps socialize some preschool children for reading instruction in
school. Longitudinal studies of the effects of variations in
parent-child interactions during story book reading can do much to
further children's literacy development. (AEA)

Learning About Learning to Read by
Observing Parents Reading to their Children

William H. Teale

Laboratory of Comparative Human Cognition

University of California, San Diego

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If we were to conduct a general poll on the topic of reading to children, it is likely that there would be overwhelming agreement that being read to is a good thing. Almost three-quarters of a century ago in his remarkable book The Psychology and Pedagogy of Reading. Edmund Burke Huey said, "The secret of it all lies in the parents' reading aloud to and with the child" (p. 332). It, of course, was learning to read, and although Huey's statement may contain a degree of hyperbole, it also contains much more than a grain of truth.

We know, for example, that being read to at home is positively correlated with:

  (a) language development in prereaders (Burroughs, 1972; Chomsky, 1972; Fodor, 1966; Irwin, 1960; MacKinnon, 1959).

  (b) vocabulary development (Durkin, 1978; Department of Education and Science, 1975; Burroughs, 1972; Fodor, 1966; Templin, 1957).

  (c) children's eagerness to read (Mason & Blanton, 1971).

  (d) learning to read prior to attending school (Clark, 1976; Durkin, 1966; Teale, 1978).

  (e) success in beginning reading in school (Moon & Wells, 1979; Walker & Kuerbitz, 1979; Durkin, 1978, 1974-75; Wells & Raban, 1978).

Thus, it seems fair to say that reading to children is an important area for study.

At first glance it would appear that a great number of studies have been done on this topic and that we have gained substantial insight from them. That is certainly the case, but we must bear in mind that the bulk of the research to date has been correlational in design and, as such, only really scratches the surface of the significance of reading to children. And I think that additional correlational research will likely not tell us much more than

we already know, viz., that being read to is positively associated with certain aspects of becoming literate. But, it is imperative that we go beyond this state of knowledge for we still have a great deal to learn.

I've entiled my talk today "Learning About Children Learning to Read by Observing Parent's to their Children". That's a rather convoluted way of saying that the study of children being read to at home can tell us much about the ontogenesis of literacy and about the process of reading itself, and thus can go far beyond the current state of the art in this area which has told us about correlations such as those just cited. What I would like to do today is examine a few excerpts from situations in which parents are reading to their children. The objective will be to give you some indication of (a) what we stand to learn by studying such situations, (b) a framework for how we might conduct research on this topic, (c) the issues which should be taken into consideration when doing this type of research.

A Research Framework

First, let me suggest a general framework for studying adults reading to children. Instead of merely correlating the amount of time a child is read to with gross measures of language development or reading achievement, I believe that we need to examine closely the underlying construction and underlying organization of story book reading[1] events.

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1. Of course, not all events in which a parent reads to the child involve books which contain a narrative account (story). Typically many of the books read to young children are books which have on each page a picture of an object or objects and the name (label) of the object(s); such books contain no story line at all. Throughout this article the term story book is used for convenience and consistency and is meant to represent any book used in an event where a parent reads to a child.

To illustrate this point let us look first at the very young child--in
the one year old range (or perhaps younger). Children of this   often
read what might be called label books (e.g., ABC books or books   ave a
picture and the name of the object or objects portrayed). He   ical
interaction around such a book:

    1.1 Mother: Look at those (ATTENTIONAL VOCATIVE)

    1.2   Child: (Focuses her attention on picture.)

    1.3   M: What are they? (QUERY)

    1.4   C: Monkeys. (LABEL)

    1.5   M: Yeah, monkeys. (Smiles) (FEEDBACK, LABEL,
                 FEEDBACK)

                        --Davidson Family Notes, February 1980

I describe this interaction as typical because it seems to be a pattern that
many parents use when reading to their children. The parent first draws the
attention of the child to the book (1.1 - Attentional Vocative) and then asks
a question (1.3 - Query). The child responds (1.4 - Label), and finally the
adult gives feedback on the response (1.5 - Feedback).

This pattern was first described in the work of Anat Ninio and Jerome
Bruner who studied the achievement of labeling in a young middle-class child
(Ninio & Bruner, 1978). They found that the child received a great deal of
practice in learning how to label (or name) objects in book reading interac-
tions. A segment of a book reading from Ninio & Bruner's study serves as an
example:

    2.1 Mother: Look! (ATTENTIONAL VOCATIVE)

2.2   Child: (Touches picture)

2.3   M: What are those?   (QUERY)

2.4   C: (Vocalizes and smiles)

2.5   M: Yes, they are rabbits.   (FEEDBACK and LABEL)

2.6   C: (Vocalizes, smiles and looks up at mother)

2.7   M: (Laughs) Yes, rabbit.   (FEEDBACK and LABEL)

2.8   C: (Vocalizes, smiles)

2.9   M: Yes.   (Laughs)   (FEEDBACK)

What is very interesting in this latter example is that the mother supplies all four steps in the routine and in this manner "scaffolds" the dialogue, the result being that "The child finds out by the responses of adults what he is assumed to mean by what he says" (Holzman, 1972, p. 312). This scaffolding, Ninio & Bruner argue, enables the child to participate in the dialogue so that development in labeling, one of the activities being practiced in the event, can be achieved. Early on, therefore, the mother supplies to the interaction what she believes the child is intending to express.

That is to say, the parent, in responding to the child, constructs a structure which can be used in participating in book reading situations. We have also seen this scaffolding notion in other research. So, you see, what is going on is that the book reading event is being played out on the interpsychological plane, between parent and child. Then, as the child becomes competent at participating in this interaction, the parent 'raises the ante', the result being that the child gradually comes more and more to control the situation on an individual, or intrapsychological, level.

Of course, all this behavior on the part of the parent is generally accomplished quite unconsciously and thus the development can be described as <u>natural</u>. But it is a situation in which the mother is responding to the child, and the child is responding to the mother. The key point here is that social organization and social interaction of these book reading events are crucial facets which must be studied, for they give us insight into how the child develops to the point where he or she participates fully in (and eventually can accomplish on an individual level) the dialogue of the events.

Ninio & Bruner's research is most interesting for it gives insight into what goes on in interaction between parent and child in book reading events and proposes a framework which accounts for a particular aspect of how children learn in these events. Their findings contribute significantly to the endeavor to understand the organization and consequences of story reading events.

Let us skip now to story book reading events for some older children. Note this excerpt from an observational study of the literacy socialization of young children which a group of us at the University of California, San Diego are conducting:

3.1 Mother: They all started shouting excitedly, "I'll run
               a pet show!" Minnie decided, recalling all the
               different kinds of pets her friends owned. "We'll
               open a lemonade stand!" Morty yelled. "Right!"
               agreed Freddy. "Free ice-cold lemonade for every-
               body!" "I'll get my big balloon ready!" Donald
               cried, "I'll give everyone free rides!"

3.2 Krista: (Laughs)
     (18 months)

3.3   M: Do you know what they're doing there?

3.4   David: What?
      (3 yr. old)

3.5   Jenny: What?
      (3 yr. old)

3.6   D: Selling lemonade...nade.

3.7   G: Uh-huh (yes). And how about here?

3.8   D: They're making a balloon go up.

3.9   G: They're going for a balloon ride. And how about here?

3.10   D: There's a kitty cat.

3.11   G: The pet show. They're having a pet show. Do you know
                what that is?

3.12   J: A bunny.

3.13   G: Yeah, do you know what that is?

3.14   D: ⌈ A skunk. ⌉

3.15   J: ⌊ A skunk. ⌋

3.16   G: What do skunks do?

3.17   D: Stink.

3.18   G: They stink.

3.19   D: Yea.

3.20   G: What's that?

3.21   J: Turtle.

3.22   D: A turtle.

3.23   G: Turtle?

3.24   D: Bird.

3.25   J: Bird...dog.

3.26   D: Dog.

3.27   G: Then Donald's nephews offered their new playground
                equipment for the children. "They can use your seesaw!"
                said Huey. "And our swing!" said Dewey. "And our slide!"

added Louie. They're all playing. Having a good time, huh?

3.28   J: What do they do?

3.29   G: I don't know, let's see. "Those are all great ideas,"
            Mickey said. "What about you, Goofy? What's your idea
            for the Best-Neighbor Contest?" "Shucks, I don't know,"
            Goofy answered, "But I'll try to think of something."
            With a faraway look in his eyes, he turned and walked off
            toward his house. So, what were they doing?

3.30   J: Playing.

3.31   G: They were playing.

3.32   J: Playing in the back yard.

3.33   G: Uhuh (yes).

3.34   J: I, I, I, know what they...there's a teeter totter, swing,
            slide...(pointing to each on page).

3.35   G: You like to live in the park...and play? Huh?

In this example the on-going dialogic questioning characteristic of earlier

examples has been modified somewhat. Instead the adult expects the child to

listen to particular segments of text, learn from the information contained in

the material, and remember the content so that it can be conveyed to the adult

in the questioning which follows each text segment.

This pattern of interaction in which the adult reads and then asks ques-

tions about the content of what was read was first described by Shirley Brice

Heath in her community studies of literacy conducted in the Carolinas (Heath,

1980; in press). She found that at about the time when the child was three

years of age this interactional style began to develop, both among the fami-

lies in a working class white community and among the sample of fifteen middle

class primary school teachers and their own sons and daughters. Furthermore,

Heath points such a pattern of interaction is similar to the Initiation-

Reply-Evaluation (IRE) sequence described by such researchers as Mehan (1979),
Griffin and Humphrey (1978), and Sinclair and Coulthard (1975) as being an
integral feature of classroom discourse.

So what we are seeing is that for certain children the interactional pat-
tern of their preschool experience in story book reading events helps social-
ize them for participating in reading instruction in school. This is not a
coercive thing on the part of the parents, but a part of the nature of every-
day activities for these children. However, it must also be borne in mind
that this is not the nature of everyday activities for all children. For too
long in this line of research we have treated all instances in which children
are read to as being equal--the only difference being in the amount which they
were read to. Of course, there are differences in the amount the children are
read to. We have noted this in our observations (Teale, Estrada & Anderson,
in press) and Heath has seen a vast range also. But, importantly, there are
also differences in the way in which the interactions are played out--and it
is these _qualitative_ differences which we also must attend to in order to
understand more completely how children learn and what they learn by being
read to.

Note these three excerpts from story book reading events:

<div align="center">Excerpt 4</div>

4.1 Mother: Baby kittens ⎡love play...
4.2   Child: ⎣baby kittens
4.3   M: Ok. Baby ⎡kittens love playing on the farm.
4.4   C: ⎣ (Mumbles------------------------) farm.

4.5   M: At ⌈night   the farmer gives them fresh
              cow's milk and they curl up together-

4.6   C: night⌉
              (mumbles----------------------------

4.7   M: --in the big red barn.

4.8   C: --------------------) red barn.

4.9   M: Ok.

4.10   C: Lookit Mommy.

4.11   M: Ok. Baby rabbit--

4.12   C: Baby rabbit--   ⌈   ⌉

4.13   M: Ok. Lives in a hutch   which--

4.14   C: --in a hutch⌋
                                         ⌊

4.15   M: Ok. Which, in his tiny little house--

4.16   C: Lives in hutch in house--

4.17   M: --he ⌈sniffs noses with, with the
              kittens and puppies because they are all friends

4.18   C: sniffs noses
              kittens and puppies⌋   ....

Excerpt 5

5.1   Father: "Possum," they cried, "Can you show us the trail?"
                But Possum just ⌈snored--   ⌉

5.2   Child:
                                    ⌊ POSSUM! ⌋

5.3   F: --as he hung by his tail. The bumblebees bumbled, the
                duml--the doo-do bugs do-doed, the loon lung and laughed
                and the owls only "Wooed!" "The owls are supposed to be
                wise," said the mice.

5.4   C: WHOOOOO!

5.5   F: "Speak nicely to one and they'll give you advice."

5.6   C: EEEEEEE!

5.7   F: So Bambi spoke nice to one grumpy owl who answered wisely
            with rather a growl. "Run that way my boy, till you come
            to a lake, and there you'll discover the trail you should
            take. But hurry...(continues reading text)..."I can
            tell you, just leave it to me! Stop wondering which of the
            trails you should take, just follow your nose and you'll
            come to the lake."

5.8   C: Lake.

5.9   F: And since it was off, and since that was all he could take
            time to say, he picked up an acorn and hurried away. They
            followed their noses and raced on ahead and there was a
            lake so the sq--as the squirrel had said.

5.10   C: Nope.

5.11   F: On top of a lily $\begin{bmatrix} \text{pad--} \\ \\ \text{pad--} \end{bmatrix}$

5.12   C:

5.13   F: --almost unseen, sat something quite lumpy and shiny and
            green. What's that?

5.14   C: Oh   (pauses)   Frog?

5.15   F: A WHO!?

5.16   C: Frog.

5.17   F: Yeah, that's a frog. Said Bambi, "Where are you?"...

Excerpt 6

6.1   Mother: And when the rain forgets to come down, who cares!
                We'll just make our own. What are they doing?

6.2   Child: Umm. They're pouring what?

6.3   M: Right! They're pouring what?

6.4   C: Pouring water.

6.5   M: They are! Oh, do you like that?

6.6   C: Yeah.

6.7   M: And suddenly one day our garden is full of delicious
                vegetables, ripe and ready to eat. Hurry! Hurry! We
                must pick them now. You turn the page? Come, look at
                what we grew! And we have so much, enough for us all and
                all our friends too! What are you doing?

6.8   C: I'm eatin' 'em.

6.9   M: Are you gobbling them all up?

6.10   C: Un-huh.

6.11   M: Can you tell me what some of those vegetables are? Can
                you show me where the tomatoes are? (C. points) And
                where's the lettuce? (C points) No, that's not the
                lettuce.

6.12   C:

6.13   M: Where's the lettuce? Where's the lettuce that we make
                salad out of? (C points) It's corn. What's that right
                there?

6.14   C: Lettuce!

6.15   M: Lettuce. That's right. Can you show me where the turnips
                are? (C points) Right there. Those are the turnips.

In Excerpt 4 we have an interactional style where the adult reads the text and

the child, in a sense, attempts to choral read with the adult. In Excerpt 5

there is no choral reading; rather the adult reads along and the child will

occasionally repeat the final word in certain phrases or segments. Note that in both of these examples the adult does not interrupt the reading to ask questions or make comments. In Excerpt 6 we have what is a prime example of a story book reading event which mirrors the IRE sequences of the classroom. It is these types of differences in interactional patterns which promise to tell us much about the differing typification of reading with which children arrive at school.

We need to examine specifically the consequences of such variation in the social organization of story book reading events. In her work, Heath, found interesting differences between the working class families and middle class families, differences which, in part, account for the difficulty which the working class children, as a group, had in achieving literacy in school (whereas the middle class children did not). I do not have time today to detail those differences, but I would say that they suggest strongly that we need to attend closely to the sociocultural variations in story book reading events. Unfortunately I have no answers as to how--or to what degree of significance--these differences in the way story book reading events are realized in various families affect children's orientations to literacy. We are just attempting to begin to study on that now. However, I do think that this is a fruitful area for study and by going beyond mere correlational approaches to research in this area to investigating carefully from a process point of view what it is that parents and children do in these events, we stand to learn a good deal about the significance of reading to children.

Essential for further inquiry in this area are:

(1) Additional interactional descriptions of the activity of story book reading.

(2) More specifically as regards causal relationships which between experience in being read to and development in literacy.

(3) More information on the effects which diversity in the social organization of story book reading events has on children's typifications of literacy.

Such data sources can act in complementary ways to provide insight into the understandings about the processes and conventions of reading and writing which children can gain from participation in story book reading events. For example, the only way we have of learning what, for the child, are the actual consequences of being read to, is to conduct longitudinal research which both details the interactions that constitute such events for particular children and identifies strategies those children subsequently use in attempts to comprehend or produce written language.

Also, the detailed descriptions of story book reading events are neces- sary for they provide sources of information from which we can draw conclu- sions about the nature of activity which seems most felicitously to further children's literacy development. An endeavor which should be of central con- cern in reading education research is arriving at a theory of how individuals in the home and school environments might best aid the child who is learning to read and write. Smith (1973) has said that the dynamics of the approach should be to "respond to what the child is trying to do." In a very real sense Smith's maxim says everything, and it says nothing. Still necessary is a theory which is at once more specific and at the same time ecologically valid, viz., consonant with what we know about how children learn in general and with

how they learn language in particular. Such additional specificity bears
directly on research into story book reading for it would provide a means for
helping make visible to teachers and parents what it is that good "teachers"
do in their interactions with children during story book reading events that
is so helpful to the children.

One theoretical approach which deserves special attention in the quest
for an account of the mechanisms of story book reading events and their rela-
tions to subsequent literacy processes of the child is that of Vygotsky
(1978). Vygotsky saw intellectual skills as growing out of social interac-
tions in the service or practical activity. Thus, literacy learning could be
viewed as being the result of the ways in which children interact with others
in specific problem solving environments in which reading and/or writing are a
part. He argued that the social interactions which comprise an activity come
to constitute that activity on an intrapsychological plane for the individual
child.

Independent functioning, then, follows a period during which the child
engages in collaboration with an adult or more experienced member of the cul-
ture. Interestingly this seems to be the case with being read to (Holdaway,
1979; Doake, 1977). Initially, the "other-regulation" may be almost totally
provided in the interaction by the adult [as can be seen in Ninio & Bruner's
(1978) notion of scaffolding]. However, as the child begins to function in
settings involving other-regulation, the adult gradually 'raises the ante' and
removes certain of the scaffolding, causing the child to assume more responsi-
bility for completing the task. This practice continues until the child can
conduct the activity independently.

This process occurs in learning situations which Vygotsky termed the zone of proximal development. He describes the zone of proximal development as:

> The distance between the actual development level as determined by independent problem solving and the level of potential development as determined through problem solving under adult guidance or in collaboration with more capable peers. (p. 86)

In an analysis of a situation in which adults helped children construct puzzles, Wertsch (in press) shows how adults negotiate the zone of proximal development with children, gradually "luring" the children further and further into the task until, ultimately, the transition to self-regulation is complete.

The notion of zone of proximal development and of "developmental scaffolding" would seem to offer a potentially powerful theoretical account of the organization and consequences of story book reading. What are now needed are longitudinal studies of children which would investigate the progress toward self-regulation in this domain.

Furthermore, the idea that a process first appears on the social plane as an interpsychological category and subsequently appears within the child as an intrapsychological category and subsequently appears within the child as an intrapsychological category is especially pertinent to the issue of diversity in the social organization of story book reading events. Vygotsky took a strong stand on the issue of the social origins of cognition. He argued that the specific means used to organize and mediate a process on the social level played a crucial role in determining how this process would be conducted on the individual level. Therefore, we should expect that significant differ-

ences in how parents read to their children would contribute to a certain degree to differences in the children's orientations to literacy. Such an expectation underlines the need for detailed accounts of what occurs in story book reading events, for these accounts are essential to the enterprise of determining what constitutes variation in reading to children.

Thus, there remains a great deal to be understood about the organization and consequences of reading to children. However, this area of research promises to tell us much about how children do learn to read. The present research climate which is encouraging naturalistic studies of child development is reason to suspect that our insight into this topic will deepen significantly in the coming years.

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References

Burroughs, M. The stimulation of verbal behavior in culturally disadvantaged three-year-olds. Unpublished doctoral dissertation, Michigan State University, 1972.

Chomsky, C. Write now, read later. In C. B. Cazden (ed.), Language in early childhood education. Washington, D.C.: National Association for the Education of Young Children, 1972, 119-126.

Clark, M. M. Young fluent readers. London: Heinemann Educational, 1976.

Department of Education and Science. A language for life (The Bullock Report). London: Her Majesty's Stationery Office, 1975.

Doake, D. Book experience and emergent reading behaviour in preschool children. Dissertation proposal, University of Alberta, 1977.

Durkin, D. Children who read early. New York: Teachers College Press, 1966.

Durkin, D. A six year study of children who learned to read in school at the age of four. Reading Research Quarterly, 1974-75, 10, 9-61.

Durkin, D. Teaching young children to read (2nd ed.). Boston: Allyn and Bacon, 1978.

Fodor, M. The effect of systematic reading of stories on the language development of culturally deprived children. Unpublished doctoral dissertation, Cornell University, 1966.

Griffin, P., & Humphrey, F. Task and talk. In The study of children's functional language and education in the early years. Final report to the Carnegie Corporation. Arlington, Va.: Center for Applied Linguistics, 1978.

Heath, S. B. The functions and uses of literacy. Journal of Communication, 1980, 30, 123-133.

Heath, S. B. Ethnography and education: Toward defining the essentials. In P. Gilmore & A. Glatthorn (eds.), Ethnography and education: Children in and out of school. Philadelphia: University of Pennsylvania Press, in press.

Holdaway, D. The foundations of literacy. Sydney: Ashton Scholastic, 1979.

Holzman, M. The use of interrogative forms in the verbal interaction of three mothers and their children. Journal of Psycholinguistic Research, 1972, 1, 311-336.

Huey, E. B. The psychology and pedagogy of reading. New York: Macmillan, 1908.

Irwin, O. Infant speech: Effect of systematic reading of stories. Journal of Speech and Hearing Research, 1960, 3, 187-190.

MacKinnon, P. How do children learn to read? Montreal: The Copp Publishing Company, 1959.

Mason, G., & Blanton, W. Story content for beginning reading instruction. Elementary English, 1971, 48, 793-796.

Mehan, H. Learning lessons. Cambridge, Mass.: Harvard University Press, 1979.

Moon, C., & Wells, C. G. The influence of the home on learning to read. Journal of Research in Reading, 1979, 2, 53-62.

Ninio, A., & Bruner, J. S. The achievement and antecedents of labelling. Journal of Child Language, 1978, 5, 5-15.

Sinclair, J. M., & Coulthard, R. M. Towards an analysis of discourse. New York: Oxford University Press, 1975.

Smith, F. Twelve easy ways to make learning to read difficult (and one difficult way to make it easy). In Psycholinguistics and reading. New York: Holt, Rinehart & Winston, 1973.

Teale, W. H. Positive environments for learning to read: What studies of early readers tell us. Language Arts, 1978, 55, 922-932.

Teale, W. H., E. Estrada, & A. B. Anderson. How preschoolers interact with written communication. In M. Kamil & A. Moe (eds.). 30th Yearbook of the National Reading Conference. Washington, D.C.: The National Reading Conference, in press.

Templin, M. Certain language skills in children. Minneapolis: University of Minnesota Press, 1957.

Vygotsky, L. S. Mind in society. Cambridge, Mass.: Harvard University Press, 1978.

Walker, G. H., & Kuerbitz, I. E. Reading to preschoolers as an aid to successful beginning reading. Reading Improvement, 1979, 16, 149-154.

Wells, C. G., & Raban, B. Children learning to read. Final report to the Social Science Research Council. University of Bristol, March 1978.

Wertsch, J. V. From social interaction to higher psychological processes: A clarification and application of Vygotsky's theory. Human Development, 1979, 22, 1-22.