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ABSTRACT

This paper reports on a 2-year field investigation of the frequency and content of interactions between curriculum consultants and elementary school teachers involved in implementing an inquiry-oriented curriculum. The report includes data generated by 45 consultants and 600 teachers in 53 diverse schools. The types of questions teachers ask consultants and the amount of time consultants actually devote to over 20 consulting activities form a basis for a discussion of ways to make both internal and external curriculum consultant services more effective. Related documents include EA 003 544, BA 003 545, BA 003 546, and BA 003 550. (Author/LLR)



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TEACHERS AND EXTERNAL CURRICULUM CONSULTANTS:

CAN THEY FUNCTION EFFECTIVELY TOGETHER?

by

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St. Louis, Missouri

March 1971

Special Session 24, 71, 120 Sheraton Jefferson East Room

March 7 - 1:30 - 3:30 pm March 8 - 1:30 - 3:30 pm March 9 - 1:30 - 3:30 pm

CAN TEACHERS USE CONSULTANTS EFFECTIVELY WHEN IMPLEMENTING A NEW CURRICULA?

FACTUAL FRAME OF REFERENCE FOR DISCUSSION OF CONSULTANT TYPOLOGY

*BASED UPON THE EASTERS REGIONAL INSTITUTE FOR EDUCATION'S
(ERIE'S) SCIENCE CURRICULUM INSTALLATION EFFORTS DURING 1968-69.*

- FRIE CONSULTANTS Berved
- 21 ELEMENTARY SCHOOLS OF DIVERSE CHARACTERISTICS
- 13 FULL DAY VISITS PER SCHOOL PER YEAR
- 3614 GUESTIONS OR REQUESTS RECORDED FROM
- 328 TEACHERS AND PRINCIPALS OVER A
 - 51 MONTH PERIOD (January June, 1969)
- K-3 TEACHERS WERE ENGAGED IN THEIR SECOND YEAR OF

 SCIENCE A PROCESS APPROACH INSTRUCTION
- 4th GRADE TEACHERS ENGAGED IN FIRST YEAR OF THIS INSTRUCTION
- *85% AGREEMENT ON THE CLASSIFICATION OF QUESTIONS AND XEQUESTS *

The saven EMIE process-oriented science consultants in a non-directive, non-threatening way were expected to:

- Meet the requests made by the innovating teachers
- Teach demonstration lessons in the classroom
- Observe teachers and hold follow-up conferences
- Evaluate pupil achievement (sample basis)
- Answer science content questions
- Suggest appropriate teaching methods
- Assist in the use, assembly, management of equipment
- Describe the curriculum to visitors
- Collect data relative to the installation effort
- Hold grade level inservice sessions
 Make interpretations of the syllabus
- Answer all administrator questions relative to the program

Consultants did not enter class come unless invited by teachers. Any ata collected by consultants, and the content of teacher-consultant conferences were not used in any way for local district teacher evaluation, determination of merit rating status, etc.

The Consultant Typology Was Employed To Shed Light on These Questions Raised By ERIF Curriculum Installation Team Members

- How accurately could ERIE staff members predict the distribution of the questions being asked by pilot school teachers?
- 2. What types of questions actually are asked by 307 pilot school teachers?
- 3. Do question types vary from school to school?
- 4. Do question types vary according demographic characteristics of the schools?
- 5. Do question types vary according to the identity of the consultant?
- 6. Do question types vary according to the grade level at which the teacher is assigned?
- 7. Do inexperienced teachers ask questions of a different nature than those asked by experienced teachers?
- 8. Who asks no questions of the consultant? Teachers who teach all the science exercises or teachers who teach none of the exercises?
- 9. Do teachers in pilot schools judged to have the most effective installations ask questions different in nature from those asked in schools judged to have the least effective installations?
- 10. How closely will the actual questions recorded on each teacher correspond with a retrospective, independent statement by teachers in June as to the nature of the questions they asked?
- 11. Does the nature of, or number of, greations asked by teachers in a pilot school signal atime for terminating consultant support to curriculum innovators?
- 12. In what areas do teachers expect external consultants to "have the answers"?
- 13. How can regularly scheduled consultant service to pilot schools be made more effective?
- 14. What implications can be drawn from Consultant Typology findings for use in future Consultant Inservice Education Workshops?

Name of Pilot School:	Consultant	
Number of Visit:	Date of Visit:	
Key to Three Digit No. Name No. Name	No. Name	No. Name
		
P Priuc pal		
TYPOLOGY OF ROLE EXPECTANCE TEACHERS FOR EXTERNAL		ept. 1969-June 1970)
**WRITE TEACHER CODE NUMBERS IN RECTANGLES TO RIGHT first four questions asked and/or services requestions asked and/or services requestions are recorded. The services in the services of the services asked and the services requestions are recorded. The services are services asked and services are services asked	uested by each pilot to, wo-thirds of teachers s. logged. Principal recor not expressed. Global	mpled <u>each</u> visit. ded each time. entry at end.
A. EDUCATING - (explaining - recsoning - elaborate curriculum rather than installation		
Employs unique science psychology, methodology sultant.		
 (content) What is parallelpiped? How etart (psychology) What is the role of the "hier (methodology) Help me to group the class if (modification) Help me restructure lesson Teach a new teacher to use SAPA. (as opposity) Explain mass, weight, volume to me. 	ratchy"? for SAPA. for slow learners.	
5. <u>DVMONSTRATING</u> - (teaching a class - displaying ment)	- operating equip-	
Please teach my class mext visit. Show me how to sat up (operate) it. Please give an exemplary competency measure Please "walk through" exercise M at the 3rd		
C. EVALUATING AND PEASSURING - (observing class - teaching, learning, or curriculum) (praising agreeing when reassurance is zericed) ** *(Usually after the fact.) **X		
1. How do you think my kids did? 2. Please observe me teach next visit. * 3. How well am I teaching SAPA? 4. How does my "number of leasons" compare? 5. Why are carteio tasks missed more often?		
6. Does this lesson or material really meet th 7. That lesson went well, don't you think so? 8. Bow satisfactory is progress in this school 9. Bow are other schools (teachers) doing? 10. As I affactive with my inquiry approach?		÷
D IFFECTATING - (transferring - generalizing - ass other curriculum areas)	ociating - involves	
1. Now can the "processes" be applied to math, 2. What SAPA teaching strategies far best in c 3. Help is establish a hierarchy for Language 4. Now Can I bland ScaPA force residence	other areas? Arts instruction.	

E. PROCURING (substituting - locating - financing) (all questions re equipment, money 6 stuff) "STOFF"

1. What can be used in place of colored cellophane discs?
2. Please send more mark sense cards and a copy of page 2 of Part A.
3. Where can I locate the licm, and the money?
4. When will the kits be shipped?
5. Will the company replace or improve equipment?

F. MESSENGERING - (answering (OLICY) questions, probably re installation rather than corridorum. Questions Dr. Archer, Dr. Mahan, or informed secretary could answer.)
Repeating a message. Stating your willingness or availability to meet, etc.

1. Explain the last letter from PCIP Director.

G. DISSEMINATING - (collaborating - diffusing) (beyond one room to non-pilot environment)

Why can't ERIE support K-3 training next year?

Who will come from ERIE to give the tests?

Arrange for Mrs. N. and student teacher to see demonstration.
 Help me give program at PTA, Title III, State College.
 Give talk (description) of new program from Florida State, etc.
 All questions relative to Demonstration Days.
 All questions relative to RAN site visits.

Will there be a workshop? When? Will ERIE go into grade 7? Will competency measures be required next year?

We are meeting. Can you come? Will you be here on the 7th?

6. Tell our new teacher about S-APA--or any new curriculum.

H. <u>Intervening</u> - (between teacher-administrator, teacher-teacher, teacher-ERIE - a <u>go between</u> situation)
 1. Talk to principal about a simpler petty cash routine.

Talk to administrator about "released tile" I was promised.
 See if you can get my kit back from Mrs. T.
 Can't you talk ERIE into policy change.
 Please schedule a grade level meeting (see principal and/or other teachers/haveny)

6. Try to get custodian to fix it for me.

I. LEGITIMATIZING - (consultant knows reassurance is not merited)

Do you think it recessary to teach all activities in "d"?
 Can't I wait until spring to teach a lesson with "leaves"?
 Mouldn't it be better to "tell" them how bring shrimp eggs hatch!

Don't you think small groups are a bit "much"?

Don't you think one lesson taught with "quality" is sufficient for the year?

J. OBFUSCATING - (beating around bush)

1. Explain grade 7 program and when evailable, i.e. request made by kinder, artica teacher.

2. Why study SAPA when kide can't read?
3. Please emplain everything about birds.

3.

K.	REJECTING - (hostility to program)		
	1. How do you expect me to find time		
	?. When are we going to teach "real"	content"?	
	3. Why is there so much pressure?		
	4. Why should I do those blasted que	stionnaires?	<u> </u>
L.	SOCIALIZING - (does not include initi	al "how are you today")	
	1. What did you think of the game, m		
	2. Did you know Pat was a "Mansfield		
	3. Is it true that Mary has fixed th	e date? .	
н.	CLERICAL - CUSTODIAL -	* .	
	1. Would you unpack kits and put the	m in closet?	1
	2. Will you fill out my forms for me		
	3. Will you teach my class while ! g.	o smoke a cigarette?	
N.	ABSTAINING - (teacher avoids consults (Use + if this is justif		
	1. No questions asked; no services r	requested.	
,			<u>, </u>
	GLOBAL - (In consultant's opinion the	teacher basically was	TOTAL ENTREES
	asking for help or service	in the following area.)	FOR A-N =
			4
	• ' •		
	•		
			`
		 	.1
			•
	Teachers recorded +princip	pal = people x 4 entre	es each = total
		and people x 1 globs	l entree each =
	•	global entrees.	
	•		
	•	•	
		Signature of Consultant	
	COMMENTS:		•
•	OOL TO LEE		
•			•

Materials for 1971 ASCD Conference: March, 1971

Can Teachers Use Convultante Effectively When Implementing New Curricula? Problems and Findings

	•	ABSTRACT OF THE CONSULTANT TYPOLOGY	TOOL	
3	Category of Questions and Requests	Abstract of Category Definition	Example Questions or Requests	
4	Educating	Queries related to science content, learning paychology, teaching methodology, curriculum modification.	that is meant by a two-stage classification? How could I group the class to use materials more effectively?	
ai .	B. Demons trating	Requests for the consultant to personally perform or demonstrate in the presents of the teacher.	Please teach exercise 'm' in my room next visit. Please show me how to operate vacuum pump.	
d	Evaluating and Resseuring	Queries or requests whereby consultant must judge quality of teaching, learning, progress, curriculum.	Please observe me teach next visit. Are my pupils displaying process skills as they work?	
ė .	Integrating	Queries related to transfer of process skills to non-science areas.	How can the classifying process be used in social studies? Help me establish behavioral objectives for mathematics.	
	Procuring	All questions and requests related to equipment, and money.	What can be used in the place of cellophane discs? Please mail me thuse missing pages.	
r i	Massengering	Questions related to ERLE policy, repetition of previous communication, simple statements of availability.	Will competency measure cards be required next year? Why can't ERLE support K-3 training in 1970-71? Will you be here on January 21?	
ថ	Disseminating	Dissemination questions involving discussion of the science program outside the pilot room and all queries relative to demonstration days and program visitors.	Please give a talk about the program at PTA. What shall I do in this isom on Demonstration Day?	
*	Interveniny	All questions or requests where initiator desires consultant to be middle man in accomplishing something the initiator is reluctant to attempt.	Please talk to the principal about a simpler petty cash routine for this school. Can't you go get the maturials back from Mrs. Filch? She has kept them for eight weeks.	

egoty of Questions and Requests	Abstract of Categor
Jegicimentaing	Requests for illegal approv

Obrus carin

ral or un-merited ry Definition

Don't you think one or two exercises taught Please explain the Grade 12 extension of about his jack-0-lantern before we dis-Don't you think I could tell them this information faster than letting them Example Questions or Requests with quality are enough for the year? teacher). Please talk to each pupil this program (asked by kindergarten discover for themselves? Questions designed to beat around the bush and avoid orientation to the task at hand.

"real content"? cuss science. Social questions like "Where did the principal get that darling orange mini skirt?"

Questions loaded with hostility to consul-

Rejecting

tant, curriculum, cr ERIE.

Now do you expect me to find time to do this stuff? When are we going to teach

Did you know Cloria was a "Syracuse Hawkins"? put the materials back in the kit for me. Please fill out my forms for me. Please Will you play bridge with us at lunch? Is it true that Mary has set the date?

No, I don't have any problems or questions. Come back some other time. ceather's, secretary's, or custodial's work / Absence of any questions or requests during A consultant-teacher encounter.

Requists for the consultant to do the

Clerical-Cuetodial

삵

M. Metalning

Socializing

Consultant Typology Prediction Sheet

1.	Professional	Position of Participant:	
2.	City:	3. S	tate:
4.	Are you (or h Circle one:	ave you been) a curriculu yes no	m supervisor or consultant'
- 5.	Are you (or h of a curricul	ave you been) a recipient um supervisor or consulta	of the supportive services nt? Circle one:
	•	yes no	
6.	into each one	t the percentage of teach of the 14 Consultant Typ ring the ground releadis	
	A	EDUCATING	
	· В	DEMONSTRATING	<u> </u>
	. c	EVALUATING AND REASSURIN	G
•	D	INTEGRATING	***************************************
	E	PROCURING	
	. у	MESSENGERING	
	G	DISSEMINATING	•
	В	INTERVENING	
•	T	LEGITIMATIZING	
	J	OBFUSCATING	
	x x	PEJECT ING	The second second
. ,	L	SOCIALIZING	
		CLERICAL-CUSTODIAL	
	N	ABSTAINING	
•			· Total

Please adjust your predictions so that they add up to 100%

Predictions of Consultant Typology Distributions Compared to Final Results

I = Mean of seven ERIE Consultant Predictions, December, 1968

II = Mean of 16 predictions by professor-consultant site
 visitors June 1969

JII = Mean of 26 predictions by professor-consultants, June
1969 workshop

					-	
Category	I	11	111	Results Jan - Feb.	Full Results Jan-June	ERIE Predict Minus Full
Educating	23	18	18	19	21	+2
Demonstrating	10		14	4	5	+5
Eval. & Reassuring	15). 1.2	16	14 1/2	14	+1
Integrating	1	3	4	. 0	1/2	+1/2
Procuring	11	1.6	10	13	9	+2
Messengering	5	5	5 1/2	1	2	+3
Disseminating	5 .	3	4 1/2	3	3	+2
Intervening	2	4	2 1/2	2	1	+1
Legitimatizing	1 1/2	5	6	2	2	-1/2
Obfuscating	1	4 .	4	1/2	1/2	+./2
Rajecting	2	4 .	4 1/2	1	, 2	n
Eurializing	11	5	5) 14	13 1/2	+1/2
Clerical-Custodial	2 1/2	4	2.	1	1/2	+2
Abstaining	10	6	4	25	26	-16



Distribution By Consultant Of Questions Asked and Requests Hade By Pilot School Teachers

	- A - 1		Con	sultani	t Iden	tity		
	V	B	C	Ď	E	F	CF	<u>c</u> <u>c</u>
Category	<u>*</u>	X	× ×	<u>x</u>	X	X	· <u>z</u>	<u>x</u>
Educating	23	38	. 20	18	18	11	24	10
Demonstrating	5	3	10	1	3	. 5	15	4
Evaluating & Reassuring	. 1	5	24	- 10	17	24	14	8
Integrating	٥.	1	. 3	0	0	0	1	0
Procuring	14	3	. 9	7	9	10	12	10
Messengering	1	1	7	3	2	. 3	. 3	· 1
Disseminating	4	, 1 .	2	. 1	· 1	4	10	. 5
Intervening	1	1	. 2	Ð	3	1	1	Ö
Legitimatizing	3	1	7	1	2	0	ò	· 1
Obfuscating	. 0	0	1	0	1.	Ö	1	<u>,</u> 3
Rejecting	. 1	5	4	1	. 1	1	3	´ 9
Socializing	. 7	13	5	4	6	29	• 7	21
Clerical- Custodial	1	1	1	0	0	· r	1	0
Abstaining	33	24	5	.54	_37	_11	8	28
N (queries) 3614	773	642	328	357	402	833	155	124

Task Orientation of Teacher Queries in Relation to Environmental Characteristics of School Community

•	•			•		•	
Combined Categories	Depressed Rural Towns (N.L,A)	Parochial (City) (U,V)	City Public Integrated (X,J,R)	Small City (S, I,F)	Middle Class Rural Towns (D,2,Q)	Middle Class Suburban Near Large Citics (C,B,E,T,G,E)	•
	8	8	€	3	\$	8	
Installation Oriented Queries Categories A,B, C, D, E, G	60	56	48	47	49	57	
Non-Installation Oriented Querie, Categories I,J,K, L,M,N	37	44	46	52	46	40	



'Distribution by Schools of Questions Asked and Requests Made By Innovating Teachers of External Consultants (January to June, 1969)

Percentage of Questions per Category

	•			· 	· •	T	1	`		1	1	T		د 	ı	 ;
	•		1					•						1	뒫	
:		• .					:				မ္				Clerical-Custodial	
				Demonstrating	13 13 13	60	}	gui	Disseminating	u.	Legitimatizing	bε		82	Sng	60
	•		Educating	tra .	Evaluating Reassuring	Integrating	Procuring	Nessengering	ina	Intervening	an ti	Obfuscating	Ing	Socializing	1 8	Abstaining
•		No.	ucat	Suo.	11u0	ic St	ğ	ssen	15 S S	5	it i	ารรา	Rejecting	lei.	r. Te	ig
School School	Consultant	No. Queries					F.	+	졌.	J	L	8	y.	Soc	ซื	Ϋ́
C		87	23	× 5	3	0	18 18	7, 2	% 0	% 3	7/ 3	% 0	7 1	7. 9	7	2 S
. U .	Α	59	12	5	5	0	27	0	0	0	2	0	0	2	3	44
T.	A	235	21	8	6	0	18	1	0	٥.	4	0	1	9	1	41
1	Α.	.4	25	3	. 10	1	6	0	2	1	4	0	2	6	0	40
Å	. ,	168	27	4	5	0	13	1	14	0	2	1	1	6	1	25
D	ь	426	35	3	4.	2	4	1	0	2	3.	1	4	13	1	27
, F	В	216	43	2	' ነ	1	3	1	1	0	0	0	3	1)	2	26
E	С	236	21	11	24	3	9	7	2	1	7	ī	3	4	2	5
R	С	92	15	7	23.	3	9.	, 5	.3	5	9	2	7	9	0	3
ī	Ď	159	28	1	4	0	5	1	2	0	1	0	1	8	0	49
. s	D	198	10	1	15	0	8	4	0	0	1	1	1	. 2	:0	57
H	E	141	22	4	13	0	ì 2	1	3	5	4	0	1	4	0	31
J	E	133	17	2	17	0	1,3	_ 2	0	3	2	0	0	8	0	36
ĸ	E	128	14	3	20	0	3	2	0	1	2	1	. 2	7	0	45
C	F	148	8	5	32	0	14	0	, 4	0	ن	. 0	0	29	0	8
Q	P	157	18	7	27	0	6	0	٠,	3	0	2	0	20	.0	8
В	¥	96	14	1	21	0	4	٥	7	, o	Ü	o	3	39	٥	11
Y	F	60	17	3	43	o	2	0	٥	0	0	0	0	32	2	1
н	P	180	8	12	16	0	8	1	2	1	0	0	0	26	5	21
(3-4)	P .	192	7	1	19	0.	16	12	٥	1	0	, 0	. 2	32	1	9
(K-2)	G	124	10	4	8	0	10	7	. 3	0	.1	3	9	21	7	28
N	G, H, C	155	24	15	14	1.	12	3	11	1	1	0	2	"	1	3
Tota:	4	3,614	21	3	14	1/2	9 .	2	3	i	2	1/2	2	11	1/2	26

Distribution of Pilot School Faculty Questions and Requests by Grade Level of the Teacher.

Group	N Question	Educating	Demonstrating	Evaluating & Reassuring	Integrating	Procuring	Messongering	Disseminating	Intervening	Legitimatizing	Obfuscating	Rejecting	Socializing	Clerical- Custcâial	Abstaining
		46	8	્ર સ્ટ	8	ઈ		8	ê	\$	8	8	€.		8
Principals	284	13	ı	10	1	10	23	21	6	0	ı	0	5	0	9
Kinlergarten	495	20	4	15	1	7	5	6	1	1	0	2	16	1	22
Grade 1	714	20	5	17	1	7	1	3	1	1	0	3	12	1	29
Grade 2	209	20	5	13	0	7	2	1	1	2	1	2	17	1	29
Grade 3	744	18	5	17	0	7	3	2	2	4	1	1	11	1	27
Grade 4	568	30	6	12	0	16	3	1	2	1	0	4	6	1	18

^{*}Grade 4 teachers were implementing Science—A Process Approach for the first time in 1968-09. Teachers of grades K-3 had taught the program during 1967-69. Fourth grade science kit materials did not arrive until February 1, 1969. Therefore, most fourth grade teachers were initiating the new science instruction at the same time that consultants began to use the Typology. The distribution of fourth grade teacher queries differs in several ways from the distributions of K-3 teachers.

Years of Teaching Experience and the Distribution of Consultant Typology Entrees.

	<u> </u>	eacher Experienc	e .
	Neophytes		Veterans
Category	Less Than 1 year Experience	One to 10 year's Experience	More than 10 year's Experience
Educating	20	34	16
Domonstrating	¥.3	2	6
Evaluating	17	16	10
Integrating	. 1	1	1
Procuring	22	11	. 13
Messengering	1	0	. 6
Disseminating	2	0	3
Intervening	2.	2	3
Obfuscating	0	0	2
Rejecting	c	2	4
Socializing	5	14	9
Clerical-Custodial	1	1	2
Abstaining	25	16	30
N (Teachers)	20	20	20
N (Queries)	151	215	200

Distribution of Consultant Typology Questions and Requests By Teachers Who Taught the Most Exercises and Teachers Who Taught the Least Exercises During 1968-1969.

Category	Top 5 Teachers Per Each Grade (K-4) N=25	
Educating	17	21
Demonstrating	5	4
Evaluating and Reassuring	21	11
Invegrating	, 1	ì
Procuring	9	4
Messengoring	0	3
Disseminating	5	0
Intervening	1	1
Legitimatizing .	1	3
Obfuscating	0	1
Rejecting	2	4
Socializing	16	10 .
Clerical-Custodial	0	
Abstaining	22	36



Distribution of Queries of Teachers who Taught the Most Exercises and Teachers who Taught the Least Exercises During 1968-69.

CATEGORY COMMINATIONS

	*Negative Queries	Installation Oriented Queries	Non-Installation Oriented Queries				
	Legitimatizing	Educating .	Legitimatizing Obfuscating				
	Obfuscating	Demonstrating					
	Rejecting	Evaluating and Reassuring	Rejecting				
		Integrating	Socializing				
•		Procuring	Clerical-Custodial				
	\downarrow	Disseminating	Abstaining				
Group N							
Top Teachers 25	3	58	41				
Bottom . Teachers 25	8 :	41	54				
							

^{*}These 3 query types also repeated in Non-Installation Oriented Combination.

Distribution of Consultant Typology Questions and Requests in Schools Rated by ERIE as Most Successful and Least Successful Installers of the Science Curriculum.

Category	Two Most Successful Schools (N & A)	Two Least Successful Schools (R & K)
Educating	26	15
Demonstrating	9	5
Evaluating and Reassuring	10	22
Integrating	0	1
Procuring	12	5
Messengering	2	3
Disseminating	12	1
Intervening.	1	3
Logitimatizing	1	5
Obfuscating	1	1
Rejecting	2	4
Socializing	7	8
Clerical-Custodial	1	• 0
Abstaining	16	29



Actual Distribution of Global Entrees on the Consultant Typology, Actual Distribution of Teacher Queries, Selected Predictions and Retrospections Related to Distribution of Teacher Queries

•			٠.				
Abstaining	gr.	23	26	10	33	m i	-10
Clerical- Custodial		1	4	, 2½	14	**	· 7
Socializing	SP.	. 7	134	11	œ	¥9-	. 7
Rejecting	نه	3	2	2	*	+	*
Obfuscating	CP.	0	4	T	*		
Legitimatizing	42	. 2	2	15	4	0	7
Intervening	6	1	1	2	2	0	ក
Olsseninating	æ	به	3	. 5	2	+3	7
gezeender, rud	øp.	3	2	5	v	+1	۳ 1
S cocntfud	g)	10	6	11	15	+1	2-
гиседкастид	22	0	7.	1	2	· 4	7
gersankling Evaluating 6	g _P	15.	14	15	85	+1	. +
реиоиздкио	ę	5	5	10	7	0	. 7
Educating	æ	24	12	23	#	+3	
	N	(936)	(3614)	(7)	(264)	•	
		Total Global Entrees - 21 Schools	Total Teacher Queries	Consultant Staff Predictions	Teacher Retrospective Estimates	Difference Between Global Percentages and Total Query Percentages (Pow A - Row B)	Difference Between Global Percentages and Teacher Retrospecitve (Row A - Row D)
		· 4	ď	ΰ	Ď.	សុំ	Eq.

Teacher Retrospective Estimates of the Distribution of Their Questions and Requests across the Consultant Typology Compared to Pinal Results, and to Consultant Predictions.

* Returns from 264 of 307 teachers *

Category	Teacher Retrospective Estimates	Consultant Predictions	Final Results (5 mos.)	Results minus teacher estimates		
Educating	11	23	21	+10		
Demonstrating	7	10	5	- 2		
Evaluating and Reassuring	8	15	14	+ 6		
Integrating	2	1	1 ₅	-14		
Procuring	15	11	9	- 6		
Messengering	6	. 5 .	2	- 4		
Disseminating	2	5	3	+ 1		
Intervening	2	2	1	, - 1		
Legitimatizing	4	11,	2	2		
Obfuscating .	* •	1		*		
Rejecting	*	2	. 2	*		
Socializing	8	11	135	+5%		
Clerical-Custodial	2	25	ķ .	-115		
Abstaining	33	10	26	- 7		

Difference between total percentage of educating, demonstrating, and evaluating and reassuring queries as indicated by teachers in retrospect and as recorded by each consultant.

In the first three categories:

Consultant A - Recorded 5% more queries

Consultant B - Recorded 254% more queries

Consultant C - Recorded 30% more quories

Consultant D - Recorded 7% more queries

Consultant E - Recorded 9% more queries

Consultant F - Recorded 26% more queries

RAN and ERIE Consultant Activity

TABLE IV.

The Distribution of Teacher Questions and Requests
as Recorded on the Consultant Typology
by Five Different Consultants OVER A FULL SCHOOL YEAR

	CATEGORY	\$1D %	JUDD X	7Y %	LUKE Ž	PAT Z
١.	Educating	4	19	31	21	23
В.	Demonstrating	. 8	0	14	5 .	10
c.	Evaluating & Reassuring	3	7	40	14	. 21
D.	Integrating	11	0	. 0	. . .	2
Ε,	Procuring	6	. 0	. 8	9	8
F.	Messengering	4	10	1	2	3
G.	Disseminating	3	1	1	3	2
В.	Intervening	4	1	ò	1 .	1
I.	Legitimatizing	8	3	. 1	2	3
J.	Obfuscating	. 2	. 7	0	ķ	1 ₂
ĸ.	Rejecting	3	. 5	0	2 .	ķ
L.	Socializing '	· 11	· 1	2	135	4
н.	Clerical-Custodial	1	0	0	ł _s	1
ĸ.	Abstaining	32	46	2	26	21
Who	osa distribution do you bel	ieve is	"best?"			•
Who	ose is second "bost?"		; t	hird "b	est?"	
	fourth "best?"	,	_i_fifth	"best1"		•

fourth "best?"				i fifth "besti"									
	t reasons "best" d			in making	your	selection	of the	e person wit	.h				
	•												
						_,							



SECOND YEAR RESULTS

DISTRIBUTION BY TYPE OF SCHOOL OF QUESTIONS ASKED AND REQUESTS MADE BY

INNOVATING TEACHERS OF EXTERNAL CONSULTANTS (September to April, 1969-70)

			PERCENTAGE OF QUESTIONS PER CATEGORY													
1969-70 SECOND YEAR RESULTS				ıting	ig and Reassuring	\$u·		Ing	ting	8u·	tzing	Su		Str	llerical-Custodial	ž.
NUMBER AND TYPE OF SCHOOLS	NUMBER OF CONSULTANTS	NUMBER OF QUERIES	Educating	Demonstrating	Evaluating and	Integrating	Procuring	Messengering	Disseminating	Intervening	Legitimatizing	Oofuscating	Rejecting	Socializing	(lerical-	Abstaining
20 PILOT SCHOOLS	23	9,003	26	11	19	2	7	. 3	3	1	5	2	1	٤	1	13
17 NEW YORK DEMONSTRATION FCHOOLS	- 17	4,493	27	10	23	:	6	3	2	1	2	0	1	4	1	19
15 PENNA. DEMONSTRATION SCHOOLS	15	3,537	22	10	19	3	8	4	2	1	3	1	1	5	1	20
							/	/								
* 21 PILOT SCHCOLS 1968-69 COMPARISON FIGURES	8	3,614	21	5	14	٦ _ź	9	2	3	. 1	2	¥,	2	13կ	l ₃	26