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STATE OF FLORIDA
Florida parole aind probation commission

## A STUDY:

THE PERCEIVED EFFECTIVEISESS OF COMMLINITY TREATMENT PROGRAMS - A SRA

BY THE FIELD STAFF OF
THE FLORIDA PAROLE AND PROBATION COMMISSION
division of planning and evaluation
SUNIL B, NATH, DIRECTOR
MARCH 1975

THE PERCEIVED EEFECTIVENESS OF COMMUNITY TREATMENT PROGRAMS

BY THE FIELD STAFF OF
THE FLORIDA PAROLE AND PROBATION COMMISSION
(In partial fulfillment of LEAA Grant 73-08-1.0)

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During the month of November, 1974, a Community Treatment Rating Inventory was conducted statewide among the ten areas of the Florida Parole and Probation Commission. The survey was designed to: 1) pbtain a consensus of opinion from the officers in the field concerning which Community Traatment Programs they perceived as being ineffectual; and
2) Find out if the officers directed their clients to the programs most needed by the clients

A survey instrument (Treatment Program Rating Inventory) was developed to collect data from the states parole and probation officers. A consensus of the officers opinions was obtained at the district level and then consolidated by the Research and Evaluation Section of the Planning and Evaluation Division through the use of two measures, a qualitative and quantitative ranking. By combining these two rankings, a Perceived Effectiveness Ranking was obtained.

Five categories of programs were ranked. They were:

1. Alcoholic Programs.
2. Educational Programs.
3. Drug Programs
4. Psychological/psychiatric Programs.
5. Other Programs.

Noticeably present in the top ten on the Perceived Effectiveness Ranking were Alcoholic and Educational Programs. The remaining three categories were scattered over the rest of the ranking

## INTRODUCTION

The Community Treatment Progrâm concept for resocialization of the offender has seen a rapid expansion in the state of florida during the past few years. The Commission currently feel this is the most effective way to resocialize the offenders. While it is being used intensively by parole officers in rehabilitating clients naturally the offjcers direct their clients toward the programs they feel will be most helpful. Also, the officers perception of the operation of each program will determine whether they channel their clients into one particular program or another.

The Plaming and Evaluation Division of the Commission designed a study to find out which Comunity Treatment Programs the officers feel are best for thejr clients. It is possible that variations in perceived effectiveness occur from area to area and even district to district. Different districts, throughout the state, would have different facilities depending on demographic characteristics.

## METHODOLOGY:

A survey instrument (Community Treatment Rating InventoryAppendix A) was developed to ascertain the officers perceived effectiveness of Community Treatment Programs. A Community Treatment Rating Inventory was mailed to each of the 48 districts on


November 1, 1974. (See Appendix B for a complete list of all districts). The Community Treatment Program Rating Inventory was subdivided into: Special programs (Multiphasic, pre-Trial, etc.) ; Alcoholic programs (DWI, Halfway House, etc.); Drug Programs (Halfway House, Out-Patient Clinic, etc); Educational Programs (G.E.D., Trade School, etc.); Psychological/Psychiatric Programs (Group Counseling, Individual Counseling, etc.); and Other Programs (Commodity Foods, Legal Aid, etc.).

For each of these subdivisions, two questions were asked; (I) Is the service available in your district? (2) Have you ever placed clients in the service? A Value Rating Scale was provided to rate each program. The scale was divided into 5 categories which included 0 (Iousy, Poor), 2 (So-so, Doubtful), 5 (Average, Satisfactory), 8 (Good, Above Average), and 11 (Excellent, Superb). Out of the 48 districts, 39 replied. Each district supervisor was instructed to take a poll of his officers on each program and then, using the Value Rating Scale, rate only those programs that were used in his district. (See Appendix A for a copy of the Community Treatment Program Rating Inventory and instructions)

## STATISTICAI PROCEDURE:

The statistical work was started as soon as the replies were returned. In compiling the statistics, the data was calculated in two measures, one which showed (how the districts rated the programs which they had experience in using) and the other showed (how many districts used the programs). The first category shall

be called a Qualitative Ranking and the second shall be called a Quantitative Ranking. By combining these two rankings, a Perceived Effectiveness Ranking was derived. These rankings consisted of all 40 programs. The program perceived by all district officers to be the most useful was ranked first and the least effective ranked fortieth. The following is a brief sumary description of each ranking technique (See pages 9-11 for a copy of each ranking).

## QUAIITATIVE RANKING NETHOD

An Arithmetic mean (Total score divided by number of responses) was taken from the statewicie replies for each program to obtain the qualitative ranking scores, which show the value of the programs. The programs were ranked in descending order according to mean, with the highest mean score being ranked first and the lowest mean ranked fortieth. EXAMPLE:

In the sample program below (Legal Aia, there were twentytwo responses. Two districts rated the program 0 for a score of $0(2 x 0)$, eight districts rated it 2 for a score of 16 , ( $8 \times 2$ ); ten districts rated Legal Aid 5 for a score of 50, (10x5); One district rated the program 8 for a score of 8 , ( $1 \times 8$ ); and one district rated it 11 for a score of 11 (lxll). These scores were then sumned for a total score of $85(0+16+50+8+11=85)$. The mean (average), which is 3.9 , was computed by dividing the total. score by the number of responses. This mean is the qualitative ranking for the Legal Aid program. All the other 39
programs were so calculated, then these means, or qualitative scores, were ranked. This places Legal Aid 37 th on the Qualitative Ranking.

$\frac{\text { TOTAL SCORE }}{\text { \#OF RESPONSES }}=\frac{85}{22}=3.9$ Arithmetic Man (Average)

## QUANTITATIVE RAMITBG METHOD

The quantitative ranking is based primarily on the frem quencies on the Value Rating Scale received from the thirtynine districts. As an example, the Voluntecr Progrun reccived 37 responses from the 39 reporting districts whereas the Bureat of Narcotics received only two responses. The programs were ranked in descending order according to number of responses. Where there was more than one program with the same number of responses, the programs were then put in ordor by their total score. For example, the Loan Fund program reccived 4 rosponses for a total score of 29 and the Multiphasic Program received 4 responses for a total score of 23. Therefore, the Loan Fund program would rank higher because of the higher total score. (See the Quantitative Ranking on page 9 for further detajls).

## PERCEIVED EFFECTIVELTESS METHOD

By combining the positions of each program from the Quantitative Ranking and the Qualitative Ranking, another ranking was
obtained to show the perceived effectiveness. (This perceived effectiveness ranking is named thus because it is based on the opinions of the field staff rather than an empirical evaluation of the programs themselves.) While a program may be used quite often, its perceived value to the districts may be low. Conversely, a program may be valued highly, but not used very frequently. This Perceived Effectiveness Ranking gives equal balance to both quality and quantity. For example the High School program ranks 2 nd on the Quantitative Ranking and 12 th on the Qualitative Ranking for a Perceived Effectiveness Ranking score of 14. Alcoholic Programs rank 4th on the Quantitative Ranking and 9th on the Qualitative Ranking for a Perceived Effectiveness Ranking score of 13 which would rank it above the High School program. For each program, both its Quantitative Ranking and Qualitative Ranking were summed in order to ascertain the Perceived Effectiveness Ranking.

The Perceived Effectiveness Ranking was subdivided into four sets of ten programs each for analysis purposes. From an inspection of the list Educational programs rank high, appearing in Four of the top ten programs and seven places in the first twenty. A close second was Alcoholic programs with three places in the top ten and four of the first twenty places. Further development of this subject can be found in the Discussion section.

The following null hypothesis ( $\mathrm{H}_{0}$ ) was tested:
$H_{0}$ : There is no correlation between the frequency of use of the community ratings of the community treatment programs.

Both the Kendall Rank Correlation Coefficient $\frac{5}{\sqrt{3 N}(N-N)}$ and the Spearman Rank Correlation Coefficient $R_{S}=1-\frac{6 d^{2}}{N^{3}-N}$ were used to test the above null hypothesis. The Kendall Coefficient is . 13 and the Spearman Coefficient is.Il. (Results of the correlation tests may range from +1 to -1 , the closer to +1 and -1 showing a very high correiation and a definite ralationship, while the closer it gets to 0 the lass correlation and lack of relationship there is.) AIthough the correlation coefficients were both positive, they were vexy low and close to 0 indicating a lack of correlation between the frequency of usage of a progrum to the value rating it received. This voula indicate that there is a negligible correlation and very little ralationship between how officers rated a program and the frequency of its usage. It would appear that the value ratings are based on some othex variables which were not addressed by this survey.

## AREA PANKTNG

Also in the survey each district was asked to rank the top three programs they felt were most effective. This is referred to as the preferred Stated Rating. The forty prograns were grouped into the following categories: Alcoholic, Drug, Educational, Psycholigical/Psychiatric, and other. A composite count shows that Alcoholic Programs ranked first followed by Educational Programs and then Psychological/Psychiatric. As on the Qualitative Ranking, a mean (average) was used in Area Ranking. Using the five categories listed above, a mean was taken for each of the categories for each area. When these means were put in descending order, a Measured Rating was formed. The following

chart shows whore the preferred Rating matches the Measured Rating. The prograns are ranked by Preferred Rating with the Measured Rating in parentheses.

## AREA I

2. Alcoholic (1)/Psychological (4)*
3. Educationai (2)
4. Drug (3)

AREA II

1. A100hozico(1)
2. Other (3)

Volunteers
Veterans
3. Bducational (2)

## AREA IIT

1. Other (I)

Pre-trial.
Multiphasic
Comunity Employment Service Volunteers
2. Psychological(2)
3. Educetional (2)

AREA IV

1. Educational (2)
2. Other (3)/Psychological (1)

Volunteers
Employment counseling
Motivation Course
Split-Sentence Probation
3. Alcohol (4)

## AREA V

1. Alcoholic (2)
2. Alcoholi

Multiphaisc
Employment Counseling
3. Psychological (3)

## AREA VI

I. Other ( $t$ )

Volunteexs Pre-Trial
Motivational Course
2. Drug (2)
3. Educational (1)/Alcoholic (3)

Area VII
I. Other (3)

Multiphasic
Work release course
2. Psycholigical (4)
3. Educational (I)

ARE VIII

1. Educational (I)
2. Alcoholic (2)
3. Psychological (3)/Othex (0)

Volunceexa
Legal Aid
Placement Service

## AREA IX

1. Alcoholic (2)/Education (1)
2. Other (5)

Employment Counseling Multiphesic
3. Psychological (3)/Drug (4)

AREA X

1. Alcoholic (2)
2. Educational (1)
3. Dsychological (3)
*Psychological on the chart refers to Psychological/Psychiatric


RESULTS:
Each frea rated its top three procrams in a separate section of the survey. By comparing the Preferced stated Rating with tho Measured Rating, a few conclusions can be reached. the following are compatisons of the two ratings by areas.

In Areas I, III, and VIII the Measured Fating and the Frem Ferred Statod Reting coincide with flcoholic, Educational, and Drug progzams placing first, second, and third, rempectively. Psychological/Psychiatric tied for first place in the preferred Stated rating with Alcholic in Area $I$.

In Areas II, VI, VII, and IX the "Othex" category ranked much higher by preference than it did on the Neasured katinc. The reason for this is on the preforme gtated fating only the thite nost preferred programs are usen when computing the average. Therefore, the unfavorable ratings are conruted with the favorante ratings to cauce a lover mean (average) score. Alco, the expensiveness of the "Other" category helps to reduce its mean (average) score.

In Areas IV, $V_{r}$ and $X$ the Preferred Stated Rating are the reverse of the Measured Rating in the first and second posicion: Educational and Psychological in Area $I V$, Alcohol and other in Area $V_{p}$ Alcoholic and Educational in Area $X$. This results from the closeness of effectiveness of the two programs involved in each area.

Overall, the "Other" programs category ranked much higher by Preferred Stated Rating than the Measured Rating. This is true because the category "Other" covers an array of programs compared to any specific treatment program. The Measured Rating is an average

of values whine the preferred stated Ratirg is an individual value.

Based on Arithmetic Mean Using Value Ratings

| Client Orjentation |
| :---: |
| 2. Loain Fund |
| 3. G.E.D. 2 |
| 4. Trade School |
| 5. Colleçe |
| 6. Junior College |
| 7. Work Release |
| 8. Motivational Course |
| 9. Alcohol Procrams |
| 10. Grade School |
| 11. DWT school ${ }^{3}$ |
| 12. High School |
| 13. Drug Halfway House |
| 1.4. Emergency Clothing |
| 1.5. Educational Guidance |
| 16. Out-pationt Clients |
| 17. Individual counseling |
| 18. Marriage Counsejing |
| 19. Nultiphasic |
| 20. Alcohol Treatment Cent |
| 21. Family Counseling |
| 22. Pre-lrial Intervention |
| 23. Group Counseling |
| 24. Alcohol Halfway House |
| 25. Veterans |
| 26. Detoxirication Center |
| 27. Social Security |
| 28. Voluntcers |
| 29. Financial Counseling |
| 30. Bureau of Narcotics |
| 31. Manpower Development |
| 32. Drug out-patient |
| 33. Placenent Service |
| 34. Conmodity foods |
| 35. Employment Counseling |
| 36. Mandatory Cond. Release |
| 37. Legal Aid |
| 38. young Lawyers |
| 39. Pri.vate Employment |
| 0 . Action Volunteers |

Mrnis
7.3
7.3
7.3
7.0
7.0
6.9
6.9
6.8
6.5
6.4
6.4
6.1
6.0
6.0
5.9
5.9
5.8
5.8
5.8
5.8
5.7
5.6
5.6
5.5
5.4
5.4
5.2
5.1
5.1
5.0
5.0
4.9
4.6
4.4
4.3
4.1
4.1
3.9
3.8
3.5
2.8

TOTAT, SCORE $\div$ RESEONSES

| 110 | 17 |
| ---: | ---: |
| 29 | 4 |
| 245 | 35 |
| 223 | 32 |
| 103 | 15 |
| 199 | 29 |
| 115 | 17 |
| 78 | 12 |
| 224 | 35 |
| 115 | 18 |
| 214 | 35 |
| 216 | 36 |
| 78 | 13 |
| 172 | 29 |
| 1.47 | 25 |
| 197 | 34 |
| 184 | 32 |
| 138 | 24 |
| 23 | 4 |
| 142 | 25 |
| 140 | 25 |
| 28 | 5 |
| 143 | 26 |
| 140 | 26 |
| 172 | 32 |
| 104 | 20 |
| 169 | 33 |
| 188 | 37 |
| 50 | 10 |
| 10 | 2 |
| 103 | 70 |
| 74 | 21 |
| 154 | 166 |
| 98 | 35 |
| 102 | 23 |
| 122 | 35 |
| 85 | 22 |
| 64 | 17 |
| 54 | 16 |
| 25 | 9 |

1 Where a tie exists, the first Mean is higher if carried to 2 decimal places.
${ }^{2}$ Graduate Equivalence Diploma
$3^{\text {Driving }}$ while Intoxicated


| PROGRAMS | OUANTITATIVE RANKING | Qualitative RANKING | PERCEIVED EFPECTIVENESS |
| :---: | :---: | :---: | :---: |
| I. G.E.D. ${ }^{2}$ | 3 | $\because 3$ | $6{ }^{\circ}$ |
| 2. Trade School | 9 | - 4 | 13 |
| 3. Alcohol Programs | 4 | 9 | 13 |
| 4. High School | 2 | 12 | 14 |
| 5. DWI S $\mathrm{Chool}^{3}$ | 5 | 11 | 16 |
| 6. Junior College | 13 | 6 | 1.9 |
| 7. Out-patient Clients | 7 | 16 | 23 |
| 8. Individual Counseling | 10 | 17 | 27 |
| 9. Emergency Clothing | 14 | 14 | 28 |
| 10. Client Orientation | 28 | 1 | 29 |
| 11. Volunteers | 1 | 28 | 29 |
| 12. Educaticnal Guidance | 17 | 15 | 32 |
| 13. Work Release | 27 | 7 | 34 |
| 14. Social Security | 8 | 27. | 35 |
| 15. Veterans | 11 | 25 | 36 |
| 16. Grade School | 26 | 10 | 36 |
| 17. College | 32 | 5 | 37 |
| 18. Alcohol Treatment Center | 18 | 20 | 38 |
| 19. Group Counseling | 15 | 23 | 38 |
| 20. Marriage Counseling | 32 | 18 | 39 |
| 21. Placement Service | 6 | 33 | 39 |
| 22. Alcohol Halfway House | 16 | 24 | 40 |
| 23. Loan Fund | 38 | 2 | 40 |
| 24. Famjly Counseling | 19 | 21 | 40 |
| 25. Motivational Course | 34 | 8 | 42 |
| 26. Drug Halfway House | 33 | 13 | 46 |
| 27. Mandatory Cond. Release | 12 | 36 | 48 |
| 28. Detoxification Center | 25 | 26 | 51 |
| 29. Manpower Development | 24 | 31 | 55 |
| 30. Employment Counseling | 20 | 35 | 55 |
| 31. Commodity Foods | 22 | 34 | 56 |
| 32. Multiphasic | 39 | 19 | 58 |
| 33. Pre-Trial Intervention | 37 | 22 | 59 |
| 34. Legal Aid | 23 | 37 | 60 |
| 35. Drug out-patient | 30 | 32 | 62 |
| 36. Financial Counseling | 35 | 29 | 64 |
| 37. Young Lawyers | 29 31 | 38 39 | 77 |
| 39. Bureau of Narcotics | 40 | 30 | 70 |
| 40. Action Volunteers | 36 | 40 | 76 |
| 1 (Perceived effectiveness $=0$ the score, the higher the rank | $\text { titative }+ \text { Que }$ | tive) i.e. t | smaller |
| ${ }^{2}$ Graduate Equivalence Diploma |  |  |  |
| ${ }^{3}$ Driving while Intoxicated |  |  |  |

The Perceived Effectiveness Ranking, a result of combining the Qualitative and Quantitative Rankings, is divided into four sections of ten programs each. The first group includes several educational programs: G.E.D., Trade School, High School, and Junior College, ranking 1st, $2 \mathrm{nd}, 4$ th, and 6 th respectively. Alcoholic programs placed three programs in the top ten positions: Alcoholic Programs (AA), DWI School and Out-patient Clients (Antabuse) ranking 3rd, 5th, and 7th, respectively. This might be expected because of the statewide availability of these programs. The remainder of the programs are bunched together in no particular order with no one category outstanding. The reason many programs rated low might be accounted for by the unavailability of some programs in some parts of the state and the high cost factor of some others.

The data that was collected seemed to indicate that the programs that were needed the most were the ones being used. Information from the Florida Parole and Probation Commission Special Report \#1 (December 1974 pp. 21-25) shows that at that time 54\% of all misdemeanants, $61 \%$ of all felons, and $73 \%$ of all parolees lacked a high school education. This may account for G.E.D., Trade School and High School programs showing up lst, 2nd, and 4th on the Perceived Effectiveness Ranking. From the same report statistics show that $48 \%$ of all misdemeanants were convicted of DWI (driving while intoxicated), while $58 \%$ of all felons and $49 \%$ of all parolees used alcohol moderately. Possibly, due to these facts, DWI School, Alcoholics Anonymous, and Out-patient Client
programs (Antabuse) showed up 3rd, 5th, and 7 th on the Perceived Effectiveness Ranking. Although not in either of the two previous categories, the Educational Guidance and Work Release programs rated high (12th, 13th) on the Perceived Effectiveness Ranking. Including these related programs 60\% (12) of the top twenty Community Treatment Programs have something to do with educational or alcoholic rehabilitation programs.

## SUMMARY:

The Community Treatment Rating Inventory was conducted statewide among the ten areas and 48 districts of the Florida Parole and Probation Commission during the month of November', 1974. The survey was designed to ascertain a consensus of opinion from the officers in the field concerning which Community Treatment Programs they perceived as being effective and those they perceived as being ineffectual.

A survey instrument (Treatment Program Rating Inventory) was developed to collect the opinions of the officefs. A consensus of the officers opinions was obtained at the district level and consolidated later by the Planning and Evaluation Division through the use of two measures, a Qualitative and Quantitative Ranking. By combining the Qualitative and Quantitative Rankings, a Perceived Effectiveness Ranking was obtained. Ranked in the top ten on the Perceived Effectiveness list were:

1. G.E.D.
2. Trade School
3. Alcoholic Programs (AA)
4. High School
5. DWI School
6. Junior College 7. Out-patient Clients (Antabuse) 8. Individual Counseling
7. Emergency Clothing
8. Client Orientation



GLOSSARY CONTINUED:

Quantitative Ranking - The Quantitative Ranking is a measurement derived from the frequency of usage of Treatment Programs. Information for this Ranking was obtained from the Value Rating Scale. The forty programs were ranked by number of districts that used them. The program that was used by the most districts ranked first while the program that was used the least ranked fortieth (page 4).

Perceived Effectiveness Ranking - The Perceived Effectiveness Ranking is a combination of both the Quantitative and the Qualitative Rankings. It measures the total perceived effectiveness of the programs by the field staff. This ranking is the ultimate goal of the study (pages 4,5).

Preferred Stated Rating - Officers were asked to rank in order the three most effective programs in their district. These were then separated into five categories on each of the 10 areas and ranked. This ranking is the Preferred Stated Rating (page 6).

Measured Rating - This measurement is similar to the Quantitative Ranking. The 40 programs were divided into 5 categories (Alcoholic, Educational, Drug, Psychological/Psychiatric, and Other) and the mean score for each category was compiled. This was done in each of these categories for all 10 areas (page 6).



| PROGEAIS | Is tervice avallablatayour dismitatr |  |  maces 19805 this bervicar |  | Louay lioc heciteblaDerriental <br> $100 t$ effective प.scies 3 ; worr |  | phetis sind iverete <br>  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | YES | NO | YES | NO | 0 | 2 | 5 | 8 | 11 |
| PRETRLAL INTERUEMTION |  |  |  |  |  |  |  |  |  |
| RUJTTPHASTC DTAGNOSTIC <br> \& TRENTHET PROGRAM |  |  |  |  |  |  |  |  |  |
| LOAM FUND |  |  |  |  |  |  |  |  |  |
| CLIENI ORIEMMATION |  |  |  |  |  |  |  |  |  |
| mandatory cond. hel. |  |  |  |  |  |  |  |  |  |
| YORK RELEASE |  |  |  |  |  |  |  |  |  |
| OTHER (Please specify) |  |  |  |  |  |  |  |  |  |
| ALCOHOL EROGRASS <br> (a.g. Alcohol Anony.) |  |  |  |  |  |  |  |  |  |
| ALCOHOL HALEFAY HOUSE |  |  |  |  |  |  |  |  |  |
| alcohol treatient CEATERS |  |  |  |  |  |  |  |  |  |
| DETOXIFICATTON CENTERS |  |  |  |  |  |  |  |  |  |
| DHI SCHOOL |  |  |  |  |  |  |  |  |  |
| OUT-PATIENT CLIENTS (e. E. Antabuse) |  |  |  |  |  |  |  |  |  |
| OTHER (Please specify) |  |  |  |  |  |  |  | $\because$ |  |
| DRUG OUT-PATIENT CLINIC |  |  |  |  |  |  |  |  |  |
| drug lalfyay house |  |  |  |  |  |  |  |  |  |
| bureau of narcotics \& dANGEROUS DRUGS |  |  |  | - |  |  |  |  | - |
| OTHER (Please specify) |  |  |  |  |  |  |  |  |  |



APPRNDIX 4
TREATHENS PROGRAM RAIING INVEATORY
(cont.)

| PROGRAIS | Is serviea your discrict |  | Rove you geves your citeris in this setwice? |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | YES | 1 N | YES | NO | 0 | 2 |  |  |  |
| orien: <br> COMODTTY YOODS |  |  |  |  |  |  |  |  |  |
| mergency clomithg CESTEAS (Salvation Aroy, Coodwity, etc) |  |  |  |  |  |  |  |  |  |
| LECAL AID |  |  |  |  |  |  |  |  |  |
| yourg lanjers prog. |  |  |  |  |  |  |  |  |  |
| vosinteers |  |  |  |  |  |  |  |  |  |
| ACTION VOLUNTEERS |  |  |  |  |  |  |  |  |  |
| PLACIEENT SERVXCE STATE EMPIOY. SER. |  |  |  |  |  |  |  |  | $\cdots$ |
| PRIVATE TMRLOY. SERTICE |  |  |  |  |  |  |  |  |  |
| Emplownme cousSELTNG |  |  |  |  |  |  |  |  |  |
| Soctas security |  |  |  |  |  |  |  |  |  |
| TETERASS ADMIM. |  |  |  |  |  |  |  |  |  |
| FInASCILL COUNSELTNG |  |  |  |  |  |  |  |  |  |
| OTHER (Please specify) |  |  |  |  |  |  |  |  |  |

PLEASE RAHK jin oxder ( $1,2,3$ with 1 being the highest) the three programs you consider most
effective in the rehabilitation of the offender. effective in the rehabilitation of the offender.
1.
2.
$\qquad$
THANK YOU VERY WUCH FOR YOUR TIME ALD COOPERATION.
$\frac{\text { District \#01 }}{\text { Mr. Thomas E. David }}$
Mr. Chomas E
P .0 . Box 947
Pensacola, Fl.
32594
32594

District \#02
r. Persy A. Holmes
.O. Box 447

32060
istrict \#03

Mr. Eugene H . Ginn, Jr.
Rm. 201, Courthouse

Clearwater. Fl.
33516District \#04
$\frac{\text { District \# \# }}{\text { Mr. Otha R. Smith }}$, Jr. te M-106
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    32601
    District #11
    Mr. Ronald I. Mercer
    P.O. Box 1507
    Tallahassee, FI
    32302
    District #12
    Mr. Vernon Wrig
    P.O. BOX 1116
    Vero Beach, FI
    32960
    District #13
    Mr.Floyd E. Boone
    6. Moya E.
    Rm. }21
    Bradenton, Fl
    33505
    Mistrict #l4
    Mr.O. Thomas Hox 187.
    M.Orianna, F1.
    Maria
    District #15
    Mr. William J. Cain
    P.O. Box 435
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    32721
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The scatter diagram or dot chart presented on the following page is a way of graphically displaying the degree of correllation between two variables, in this case, the Qualitative and Quantitative Rankings. It provides a simple pictorial presentation which may be readily undexstood.

A positive correlation coefficient(approaching +1 ) implies that as one variable goes up, the other goes up, or as one variable goes down, the other goes down. In the case of the gualitative and the Quantitative Rankings., this would mean the more a program was used the higher it would be rated, or the lower a pro gram was rated the less it would be used. An example of positive correlation follows:


Notice how all the points or dots are relatively close to the dotted line*. This clearly shows a positive tendency to correlation.
*line of perfect positive correlation ( +1 being the upper limit)
A negative correlation coefficient (approaching -1) implies that as one variable goes up, the other goes down, or as one varigoes down, the other goes up. In the case of the Qualitative and Quantitative kankings, this would mean the more a program was used, the lower it would be rated, or the less a program was used, the better it would be rated. An example of negative correlation follows:


Notice how all the points or dots are relatively close to the dotted line*. This clearly shows a negative tendency to correlation.
*Ine of perfect negative correlation( -1 being the lower limit)

Therefore, the closer a correlation coefficient is to 0 , the less tendency there is to correlation between the two programs. The two tests for correlation gave. 11 and .13 as results which show there is no correlation. By observing the scatter diagram, no consistent pattern for correlation can be seen.

SCATIER DTAGRAM*

*Numbers encircled are the positions on the Perceived Effectiveness Ranking (See P. 10)


