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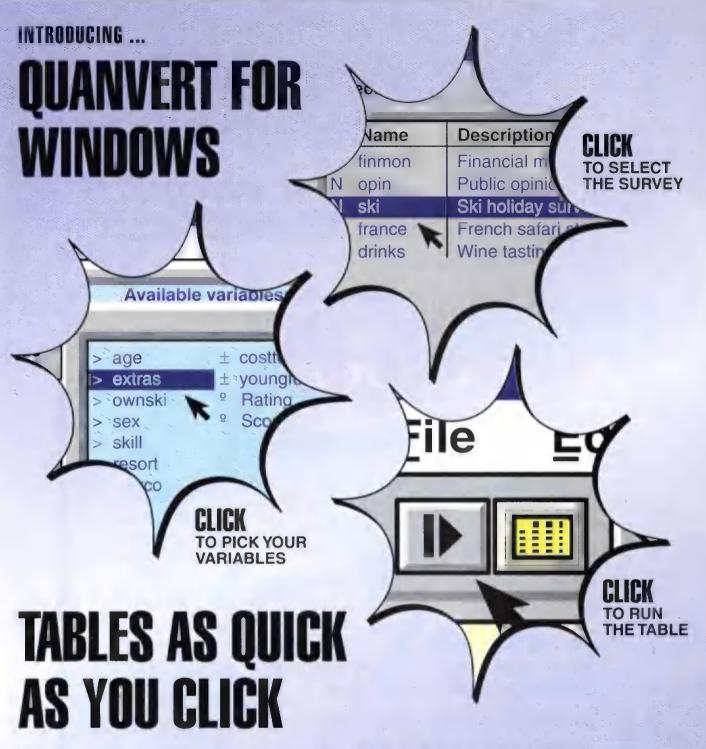
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Quirk's MARKETING RESEARCH Review



Velume®VIII, Nümber 8

October 1994

Cover Research keeps Homecorp in touch with resident satisfaction. Photo courtesy of Homecorp.

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Buirk's Marketing Research Review (ISSN 09937451) is issued 10 times per year – Jan, Feb, Mar, Apr, May, Jan/Jul, Aug/Sep, Oct., Nov, Dec. – by Quirk Enterprises, Inc., 6607 18th Ave. So., Minneepolis, NM 55423. Mailing address P O. Bex 23536, Minneepolis, MM 55423. Tol. 612-861-8051, Fas: 612-861-1836. Second class pertage peid at Minneepolis, MR and address mailing offices.

Subscription Information: U.S. annual rate (10 issues) \$50; two years (20 issues) \$32; three years (30 issues) \$132. U.S. single mapy price \$10. Change of address notices should be sent premptly; provide old mailing label as well as new address, include ZIP code or pental code. Allow 4-6 weeks for change POSTMASTER Pieces and change of address to QMRR, P.O. Box 23536; Minnespelis, MM 55423.

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Dwelling on Customer satisfaction



A s most apartment dwellers know, tracking down the building manager or landlord when you have a problem is next to impossible. Maybe it's a leaky faucet or a noisy neighbor — whatever it is, they usually don't want to hear about it. Unless, that is, you live in a complex managed by Homecorp, in which case management may just come looking for you to find out if everything is all right.

The Montgomery, Ala., firm manages more than 70 apartment communities nationwide — its strongest presence is in the southeast — serving over 15,000 residents. Its 2-year-old customer satisfaction research effort, the Focus program, includes an annual survey and focus groups with residents. It's part of a companywide commitment to stay in touch with customers, combating rental property management's reputation as uncaring.

Homecorp goes beyond the usual industry practice of surveying customers when they move in and move out, says Bryan J. Rader, general manager of Homecorp Services.

"The Focus program came about when we realized that the rest of the industry was doing an inadequate job by measuring satisfaction at only two contact points, the move-in and move-out. If you focus on your customer only at those points, you will never satisfy them. We felt that if we had a program that required us to focus every day, every hour, every minute on the customer that we would see our customer satisfaction results skyrocket and that has happened."

Satisfaction fowers expenses

The rental housing industry has found that customer focus can lower controllable expenses dramatically. By keeping

Hillmeade Apartments, Nashville, Tennessee

Homecorp manages more than 70 apartment communities nationwide, serving 15,000 residents. Listening to their opinions has increased profits and reduced turnover, says Homecorp's Bryan Rader. "We felt that if we had a program that required us to focus every day, every hour, every minute on the customer that we would see our customer satisfaction results skyrocket and that has happened."

satisfaction

residents happy, a firm reduces time and money spent on turnover (repainting, recarpeting or repairing to get an apartment back into marketable shape), minimizes the number of unrented units, and saves the costs of marketing and advertising to fill vacancies.

Homecorp still sees value in the move-in and move-out survey. The move-in survey, for example, helps Homecorp get to small problems and fix them before they become longterm drags on satisfaction. Even things such as a nail hole left by a previous resident or a burned out light bulb can create a bad initial impression that stays with the resident.

But the company strives to listen to its customers throughout their residence in a Homecorp community. (All research is done in-house, except data processing. Rader moderates all of the focus groups with residents.) Homecorp sends a customer satisfaction survey to its residents each February. The survey results are presented to community managers in April. "We want to have the information communicated to the entire property together in staff meetings so that everyone buys into the information and realizes that he or she has as much impact on satisfaction as the manager. We want a total buy-in and teamwork in addressing any challenges that come up. We also want them to share in the success."

Rader also moderates a focus group once a year at each of the communities. A random selection of residents is invited to the leasing office in the evening and asked to elaborate on issues raised in the larger survey. "We get a better definition of why they are happy or unhappy. We also ask them to propose solutions to any problems they're facing because often the best solutions come from our residents. We monitor the performance of our proposed solutions, and if they work at one property we may try them at another. If it's not working, we put plans in place to try something else.

"There is so much run-and-hide management in this and other industries. We take the opposite approach and ask residents to come and talk about these issues with us firsthand in a discussion-group setting. We've found that the appreciation they show us for inviting them is significant."

The goal is to measure the residents' contact with Homecorp representatives at every step of the way between move-in and move-out. Any interaction with a Homecorp employee, from chatting with office personnel when paying rent to running into a leasing consultant walking the property, is important.

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Eden Crossing Apartments, Pensacola, Florida



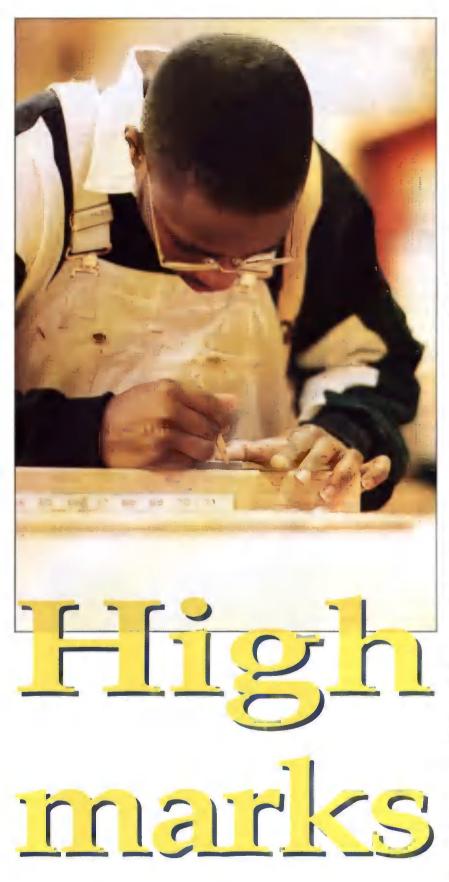
Jefferson Place Apartments, Baton Rouge, Louisiana



Pleasant Ridge Apartments, Little Rock, Arkansas



Hillwood Condominiums, Jacksonville, Florida



By William H. Stearrett Jr.

Editor's note: William H. Stearrett Jr. is the research specialist for the New Castle County (Del.) Vocational Technical School District.

which is the set of th

As providers of important services and tangential benefits, schools should not leave customer satisfaction to chance. But schools and school districts are not known as adroit users of marketing research. Few can match the business sector's efforts to measure customer satisfaction, market share and perceived image in the community.

The New Castle County Vocational Technical School District in Delaware is an exception. Under the leadership of Superintendent Dennis Loftus, the NCCVTSD has developed and maintains a comprehensive program of marketing research and performance reporting that compares favorably to many businesses'. The district comprises three high schools — Deleastle Technical High School, Hodgson Vocational Technical High School and Howard High School of Technology — and serves all 435 square miles of New Castle County.

Students and parents are customers

As with other community-based service organizations — such as banks and hospitals — customer satisfaction is a key performance indicator for the school district. In the program currently up and running in New Castle County, customers — students and parents — are sur-

Satisfaction research helps Delaware school district set standards, improve performance

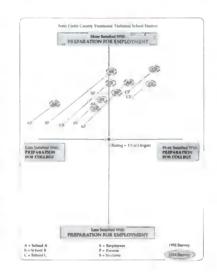
veyed every two years to assess overall customer satisfaction as well as satisfaction with a number of specific school characteristics, including quality of teachers, the school environment and teacher-parent communication. on a 1-5 scale. Survey participants are also asked if they would recom-



mend their school The district surveys students and parents every two years to assess overall satisfaction as well as satisfaction with a number trons and gaps in to friends (and of specific school characteristics, including quality of teachers, the school environment and teacher-parent communication. knowledge about the

why or why not), and what they like and dislike about their school. Their responses to the open-ended questions often confirm the mean satisfaction ratings and flesh out the statistical results. Space is also provided for respondents to make suggestions for improvement.

Teachers are also asked to participate in the survey, and a comparison of the students', parents' and teachers' responses yields valuable results that can be displayed on perceptual maps (exhibit 1). Comparisons of various segments within the student population provide an increased awareness of customer needs. For example, it's important to figure out why students in the upper grades are less satisfied than those in grades nine and 10, and why many seniors don't know what they will do after graduation. Students' future plans are critical to the district's market-positioning strategy because the schools must strike a balance between efforts to prepare students for employment (a



perceived strength) and prepare them for college (a perceived weakness).¹

Anticipating the future

The district's marketing research efforts aren't limited to customer satisfaction surveys. Parents of students in grades six, seven and eight in the district's market area were surveyed three years ago to discover image perceptions, identify misconceptions and gaps in knowledge about the

district's schools, and assess the likelihood of parents' choosing a vo-tech high school education for their sons or daughters.

The research identified misconceptions about the district — regarding the proportion of female students and the proportion of graduates who go to college — that were subsequently addressed specifically in the district's application, open house invitation and recruitment video, entitled "Choices in a Changing World."

Survey results relating to parents' likely school selections matched actual market share figures, which the district tracks each year as part of the admissions process. The district has seen a steady increase in market share in recent years: This year's 1,800 applica-

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to present customer satisfaction data

sing radar charte

By Renee Entinghe

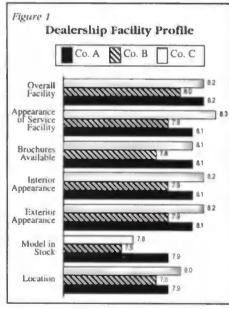
Editor's note: Renee Entinghe is a research analyst with Maritz Marketing Research Inc.'s Automotive Research Group in Toledo, Ohio.

n today's complex marketplace, numerous factors affect customer satisfaction with a product or service. As a result, surveys ask people to evaluate a product or service on multiple attributes. Customer satisfaction profiles are developed from these data to show a company how well it is performing. The profiles generally take the form of charts and/or tables, but the magnitude of information they contain can overwhelm the reader, especially if competitor data are included.

Radar charts (also called spider charts) can be an effective way to present the data. Traditional radar charts are especially useful when comparing competitors' positions on multiple attributes. They are simple, concise, and can be read quickly. Analysis of the radar chart is continuous. The attribute scores are connected in a circular fashion making the overall and individual relationships easily recognized. In addition, radar charts can be taken a step further by incorporating statistical significance testing. With these modified charts, significant differences among competitors or subgroups are more easily identified than with traditional charts, such as bar charts.

Traditional bar chart

Suppose Company A is interested in examining new car buyers' satisfaction with the dealership facilities. Assume also that Company A is especially concerned with how its dealerships compare to those representing Company B and Company C. Dealership facility



Comparing multiple attributes across different groups can be complicated using a bar chart – it's difficult to see the relationships.

satisfaction scores, obtained from the National Survey of Early Model New Car Buyers, are plotted in a traditional bar chart in Figure 1. To compare Company A's performance with that of Company B and Company C, the reader examines each cluster of bars separately. Several passes through the chart are required to determine Company A's relative position for dealership facility satisfaction.

Traditional radar chart

Compare the bar chart in Figure 1 to a traditional radar chart, using the same dealership facility satisfaction scores, in Figure 2. The radar chart is not as cluttered as the bar chart, making it more appealing to the reader. The connected pattern of the radar chart allows the reader to see the relative position of Company A to Company B and Company C quicker than with the bar chart, whether the reader is examining the attributes independently or collectively.

Plotting significance tests

In Figures 1 and 2 Company B appears to have lower satisfaction scores than Company A for all attributes, while Company C and Company A seem to be fairly comparable. However, these charts do not indicate which differ-

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Regression *regression*

By Gary M. Mullet

Editor's note: Gary M. Mullet, Ph.D., is principal of Gary Mullet Associates, Inc., a suburban Atlanta, Ga., statistical consulting/analysis firm.

uch has recently been written, on these pages and efsewhere, about using regression analysis in marketing research. In fact, awhile back in *Quirk's Marketing Research Review* there was a very enlightening, informative and somewhat heated series on using (or not using) regression analysis in determining derived attribute importance weights in customer/client satisfaction measurement studies. (cf. "Regression-based satisfaction analyses: Proceed with caution" October 1992 QMRR, "Appropriate use of regression in customer satisfaction analyses: a response to William McLauchlan" February 1993 QMRR.)

The following few paragraphs will not enter further into that fray. Instead, we'll go back into some of the more fundamental underpinnings of regression analysis, irrespective of particular applications. This is motivated by some recent questions, comments and observations from a variety of sources, all aimed at a better understanding of this fundamental statistical analysis tool. Of course, a lot of these issues have been treated elsewhere, too, but the time seems opportune for a memory refresher.

Missing data (or How come I paid for 750 interviews and your regression analysis only used 37 of 'em?)

Unlike when you took your introductory statistics course (or vice versa), real respondents frequently fail to answer every question on a survey. Consequently, many times when we run a regression analysis using canned software programs, we end up with many fewer respondents than anticipated. Why? Because, the packages assume regression analysis to be a multivariate procedure (many statisticians don't, by the way) and drop any respondent from the analysis who fails to answer even a single statement from your set of independent or dependent variables.

What to do, what to do? I'm not sure that there is a definitive answer, but here's what some analysts do. First, there's always the option of using just the respondents who've answered everything. This has the effect of you basing your research report on 50 percent or so of the respondents, sometimes less. Many times this is (subjectively) appealing, since you have the assurance that your model is based on those who answered each and every question. It's not so appealing, however, when you start with a sample of 1,000 or so and end up with only 100 of these dictating your regression results—especially if the model is to determine compensation or to forecast sales.

Many analysts prefer to use mean substitution for any values which are missing. The software packages automatically, if you tell them to, substitute the mean of everyone who did answer a particular question for the missing answer of those who, for whatever reason, didn't. Here's what can happen when you use this option:

• If there is a given question that, say, 90% don't answer, the mean answer of the remaining 10% who did is substituted and used as if that's what the other 90% said,

• A respondent who answers few, or no, questions can still be included in the analysis, unless the analyst overrides the automatic substitution of means, since a mean value is also used for the dependent regression variable. Oops!

Now, both of these things happen, probably rarefy, but certainly more than they should. It seems obvious that maybe we should look at each question to see what the item non-response is and if there are questions that are particularly high on item non-response, try the regression without them. Common sense also says to exclude respondents who fail to answer the question we're using as a dependent variable (overall opinion, overall satisfaction, or some such) and also to exclude any who don't answer a specified minimum number of independent variable ratings, 75% or whatever criterion you decide on. Luckily, both of these can be easily done with the current software. Sadly, as noted, they aren't always.

An alternative that seems to be gaining favor is to use only those who've answered the dependent variable (kind of a nobrainer in most circles) and then substitute the respondent's own mean on the ones that he or she answered for the ones he or she didn't. Again, you'll probably only want to do this for those who've answered a majority of the items. This variation takes scale usage into account and is appealing because to some respondents "there ain't no tens."

Significance testing (or If they're all significant how come no single one is?)

Regression software packages generally test two types of statistical hypotheses simultaneously. The first type has to do with alf of the independent variables as a group. It can be worded in several equivalent ways: Is the percentage of variance of the dependent variable that is explained by all of the independent variables (taken as a bunch) greater than zero or can I do a better job of predicting/explaining the dependent variable using all of these independent variables than not using any of them? Anyway, you'll generally see an Fstatistic and its attendant significance, which helps you make a decision about whether or not all of the variables, as a group, help out. This, by the way, is a one-sided alternative hypothesis, since you can't explain a negative portion of variance.

Next, there's usually a table which shows a regression coefficient for each variable in the model, a t-statistic for each and a two-sided significance level. (This latter can be converted to a one-sided significance level by dividing by two, which you'll need to do if, for example, you've posited a particular direction or sign, a priori, for a given regression coefficient.)

Now here's the funny thing: You will sometimes see regression results in which the overall regression (the Fstatistic, above) is significant, but none of the individual coefficients are accompanied by a t-statistic which is even remotely significant. This is especially common when you are not using stepwise regression and are forcing the entire set of independent variables into the equation. How can this be? It can be because of the correlation between the independent variables. If they are highly correlated, then as a set they can have a significant effect on the dependent variable. Individually they may not.

Look at it this way. Let's say that we are measuring temperature in both degrees Fahrenheit and degrees Celsius, measuring with thermometers, rather than measuring one and

"We're sure about these satisfaction results ... right?"

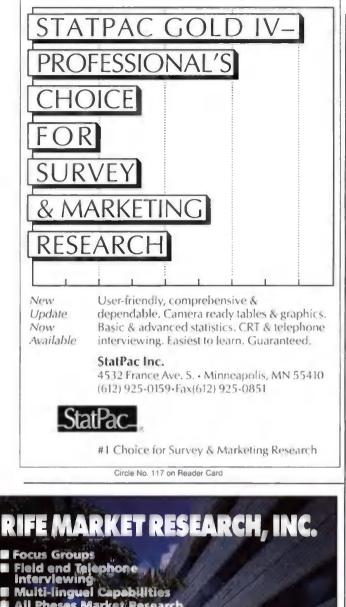
Questions like this make managers uncomfortable. And rightly so. Unless, of course, the satisfaction research is the work of Next Generotion Research.

Unlike the vast majority of research companies that claim to specialize in customer satisfaction research, Next Generation Research ovoids the use of single item attitude scales to measure aspects of satisfactian with a praduct or service. That's because such measures are inherently unreliable and unscientific. (This is obvious when you consider the problem of measuring aspects of intelligence. How well do you think your verbal obility and reasaning capacity could be ossessed on the hasis of yaur onswers to twa questions, one for verbol ahility and the other for reasoning capacity?) And that's why Next Generatian Research first develops <u>multi-item</u> satisfaction scales far each product or service dimension and then employs psychometric analyses to assess the validity ond reliability of each multi-item measure.

Valid, reliable, <u>multi-item</u> satisfaction measures mean trustwarthy data — the kind that provides the canfidence necessory to follow througb on the implications of research findings. The kind of data that ather research companies pramise but rarely deliver.

That's why the warmed-over boilerplate surveys mast satisfaction research "experts" are peddling these days are of dubious value. So why chance getting ripped off when you can get scientific, valid, and reliable data by hiring Next Generatian Research?





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calculating the other using the formula most of us hoped we'd never have to remember beyond high school chemistry. (By measuring, given the inaccuracies of most thermometers, the computer won't give us nasty messages. It probably would if we measured only one and calculated the other.) Next let's say we're going to use these two temperatures to predict something else we've experimentally determined, like pressure. Clearly, the two temperatures together will explain a significant proportion of the pressure in a closed container. Also, maybe not as clearly, neither will individually be significant because they are correlated with each other and each is redundant given the other. That last clause is the kicker.

When you look at the significance of a regression coefficient (or the coefficient itself, for that matter) you are seeing the effect of that particular variable, given all of the others in the model. This is properly called the significance of a partial regression coefficient and the B is the partial regression coefficient itself. Either degrees Fahrenheit or degrees Celsius, alone, would be a significant predictor of pressure (this is the total regression) but either given the other, the partial effects, will not be significant.

This makes sense, I hope, and will help explain some seemingly strange regression outputs. It also leads us to the next issue.

Wrong signs (or How can the slope be negative when the correlation isn't?)

This happens all the time. You know that overall satisfaction and convenience are positively correlated—higher ratings on one of these go with higher ratings on the other and the lower ratings go together, too. Yet in a multiple regression, the sign of the coefficient for convenience is negative. How come?

There are a couple of things which can be going on. First, the t-statistic for the coefficient may not be statisticalfy significant. We interpret this as an indication that the coefficient is not significantly different from zero and, hence, the sign (and magnitude for that matter) of the coefficient are spurious. Fully half the time, for a truly non significant effect, the sign will be "wrong."

The other thing that can be happening is the partialling effect noted above. It could be that the slope is negative given the effect of the other variables in the regression (partial) even though all by itself the variable shows a positive correlation and slope (total).

Try this. Here's a small data set.

Resp. #	OVERALL	Package	Value	Taste	Color
1	5	6	9	13	11
2	3	8	9	1.3	9
3	9	8	9	11	11
4	7	10	9	11	9
5	1.3	10	11	9	11
6	11	12	11	9	9
7	17	12	11	7	11
8	15	14	11	7	9

Let OVERALL be the dependent variable and run various

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regressions, first with each independent variable by itself and then with various combinations of the independent variables. Some things to look for are:

• Correlations between all variables, both in magnitude and sign:

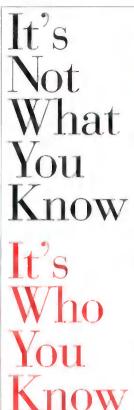
• Sign and magnitude of regression coefficients (B) when each variable is by itself as a predictor;

• Sign and magnitude of regression coefficients for the variables when they are working with the other variable(s).

You should see some interesting things with respect to both the magnitude and sign of some of the regression coefficients. Are the signs sometimes "wrong?" If so, are they wrong when the variable is used alone or wrong in later models? Possibly they are wrong neither time, they just happen to not agree. By the way, checking the F-statistic for the models including more than one predictor and the individual t-statistics will also hammer home some of the earlier points.

Conclusions

The preceding paragraphs have addressed three or four pragmatic issues about using regression analysis. While they do more than scratch the surface, there are certainly other regression fundamentals that were neglected. However, taking the small data set provided and doing a thorough set of regressions should allay many of the qualms of that regression analysts face.



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October 1994

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Ensuring satisfaction

With research as its guide, General American Insurance restructures for the future

By Sally Martin and Susan Spaulding

Editor's note: Sally Martin is a management consultant with General American Insurance, St. Louis, and Susan Spaulding is president of Market Directions, Inc., a Kansas City, Mo., research firm.

hether or not the Clinton administration finds a way to get its health care reforms through Congress, insurance companies in the 1990s and beyond will have to be extremely competitive to survive. Even if the administration fails, the continuing explosive growth of the industry will demand further consolidation.

To retain their customer base, health insurance providers large and small must be very attuned to meeting customers' needs. Nowhere is that need more apparent than in group coverage — the meat and potatoes of industry earnings.

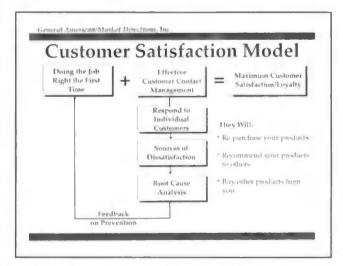
General American Insurance, a St. Louis firm with \$197 billion in life insurance and \$8.6 billion in assets, recently launched an internal and external assessment of customer satisfaction with its group insurance operations. General American has 2,000 group insurance clients, covering 2 million employees and dependents with group medical and life insurance.

The company's management consulting services, which structured and managed the project, sought the help of two firms with the research. It called on TARP Inc., an Arlington, Va., customer service consulting firm, for help with creating a model of how General American's employees contribute to customer satisfaction. To talk to its customers, General American retained Market Directions, Inc., a Kansas City, Mo., research firm.

Market Directions explored customers' satisfaction and dissatisfaction through in-depth interviews. Focus groups and telephone interviews, and then prioritized the factors that respondents said contributed most to satisfaction.

Service gaps

While the external assessment focused on the gap between the service customers wanted and what they felt they were receiving, the internal assessment focused on the gap between the service employees felt they were delivering versus what they would like to deliver. For the internal research, General American's consulting group looked into the effec-

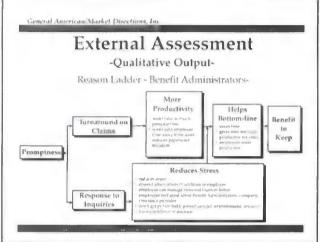


tiveness of the existing customer service system, relying heavily on observation and staff interviews. The General American consulting group monitored service representatives and interviewed 160 employees, most of whom worked in Group Operations.

The internal assessment was launched to identify organiza-

tional and operational barriers that prevented the company from delivering outstanding customer service. The system General American had in place for handling customer contact was analyzed using TARP's 19-function framework, which assesses the effectiveness of 19 customer contact functions such as screening calls, formulating responses to customer inquiries and using customer contact data to shape internal policies. General American employees were asked to identify what was preventing them from serving their customers better.

In the external assessment, Market Directions used qualitative and quantitative techniques, exploring satisfaction in various areas though interviews with brokers, benefit administrators and employees of client companies. Focus groups



were conducted with benefit administrators and employees; in-depth telephone interviews were conducted with brokers.

The group sessions began by defining satisfaction in the eyes of General American customers. The core elements of satisfaction were then prioritized based on importance. Using a probing technique called laddering, the most important factors were explored, helping Market Directions uncover the ultimate benefit of each to the individual and, therefore, to General American.

The results of the qualitative assessment provided the basis for the quantification, the objectives of which were to investigate overall satisfaction, validate which factors were important to satisfaction, learn how well the insurance company performs and determine which factors most directly affect customer satisfaction. Based on what they found, General American's consulting group and Market Directions recommended areas needing improvement.

Hundreds of interviews

After conducting more than 300 telephone interviews with benefit administrators and 500 personal interviews with client-company employees, Market Directions compiled rankings of the most important factors involved in customer satisfaction. The employees noted claims processing, consistent coverage, and prompt, professional telephone service, among others.

The exact areas of customer satisfaction Market Directions continued on p. 39



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Americans grow crazy

The stereotype has the woman working the garden while the man of the house relaxes in a hammock - and the facts concur, with regard to tending flowers anyway. In a survey for the new Simmons Study of Media and Markets, issued by Simmons Market Research Bureau Inc., New York, 33 percent of the female respondents said they till the bed for the blooms, as opposed to 21 percent of the men. The survey further profiled America's hobby gardeners: People between the ages of 54 and 65 are 30 percent more likely to have flower gardens than the average population, and the Midwest is the hotbed of floriculture -22 percent more folks there have flower gardens.

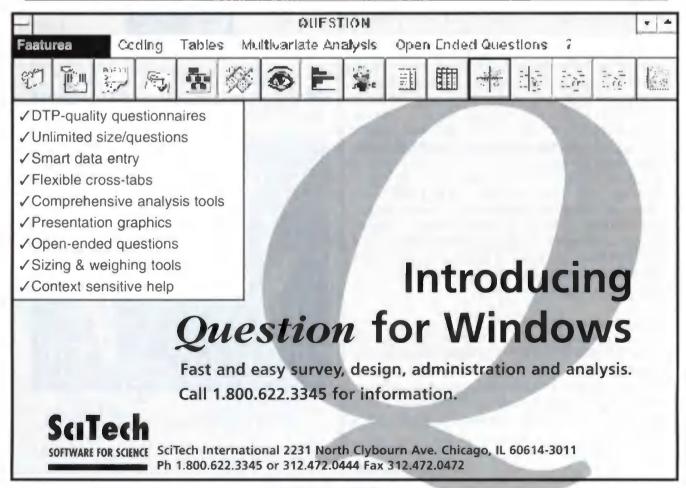
You can find rakes in the homes of 33 percent of those surveyed, and while you're at it you might look for garden shears (25 percent), hoes (24 percent) and wheel barrows (18 percent). And in a blow for equality, men are just as likely as women to dig vegetable gardening. And middle-aged, married Midwesterners are the most fervid growers of vegetables. For more information, call 212-916-8952.

Garden in a box proves popular

An Ohio State University researcher thinks so-called convenience or planned gardens have the potential to bring out the green thumb in just about anyone. Prepackaged collections of bedding plants that come complete with design diagrams and instructions make it easy for even the horticulturally challenged to grow something green and beautiful. Jeanne Youger-Comaty of OSU's Consumer Horticultural Center says that one area seed company is offering 26 different prepackaged convenience gardens this year.

While Youger-Comaty praises the prefab gardens for their time-saving and confidence-boosting qualities, she offers her blessing with some caveats. You must, for example, check out the plan before buying to make sure it's suitable for your gardening space — even the easiest-togrow plants need the right conditions.

continued on p. 34





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David Miller, formerly with Kapuler Marketing Research, has joined Conway/Milliken & Associates, a Chicago marketing research company. Miller is a vice president for the company. Sharon Swanson has joined CMA as an account manager. Jeananne Turner becomes a project manager, and Matt Le is data manager for the firm. Swanson, Turner and Le also came to CMA from Kapuler. Meanwhile, Joanne Robbibaro has signed on as vice president, data collection. She joins CMA from M/A/R/C, Irving, Texas.

where she was director of field data collection.

Ellen Boisvert has been named to the Public Relations Society of America's Research Committee, Boisvert is director of research for Dudley Research, Excter. N.H. The PRSA's Research Committee explores specifications for research that will set standards for measuring and evaluating public relations, find ways to make better use of PRSA's accreditation process, and present a forum on research at the PRSA's national conference in 1995.

Les Leathem and Annemarie Menges have joined Healthcare Communications Inc., Princeton, N.J.



Leathem

Menges

Leathem is vice president/marketing. In his new position, he will draw on his background in the pharmaceuticals industry to help HCI clients apply the firm's products and services to their marketing efforts. Menges has assumed the role of advertising rate-card coordinator.

Gail Maffai and David Schafer have joined Arlington Heights, IIL-based Market Facts Inc. as vice presidents.



Maffai

Schafer

Maffai will work out of the company's New York office, while Schafer moves into its Boston facility. Previously, Maffai was director of corporate accounts for the NPD Group Inc. Schafer

continued on p. 44





ICT Research Services, a division of Langhorne, Penn.-based ICT Group Inc., has moved. ICT Research Services is the umbrella company under which Valley Forge Information Service, Solution Research Services and Princeton Data Search operate. ICT Research Services' address and phone numbers are: 584 Middletown Blvd., Langhorne, PA 19047-1822: 215-702-9300 and 215-702-9303 (fax). VFIS also has moved to the same facility.

Chicago-based Information Resources Inc. has formed a partnership with the 2,000-member National Housewares Manufacturers Association to provide point-of-sale scan data to housewares manufacturers. The scanning data from the service will be available from mass merchandisers, drug stores and various other outlets. Black & Decker is the first NHMA member to participate in the POS program.

In other IRI-related news: A federal district court jury decided in June that the company and four of its top officers had not violated federal securities laws in a case that revolved around comments made in 1989 about the company's earnings prospects. Plaintiffs in the class action, filed on behalf of IRI stockholders, had sought compensatory and punitive damages from the company and individual directors, including Chairman Gian M. Fulgoni.

IRI has signed a letter of intent to acquire a minority interest in Cyprusbased **MEMRB International**. MEMRB provides syndicated market tracking and custom research services through a network of offices in 22 countries and its operations in the Middle East, the Mediterranean, Eastern Europe, the Commonwealth of Independent States and Africa. The company was founded in 1962 by the late George Vassiliou, who was then president of Cyprus. It offers retail audits, media research, continuous public opinion studies and ad hoc consumer and business-to-business research. MEMRB recently has introduced audit services in Russia, Poland, Hungary and the Czech Republic. Terms of and a schedule for the proposed acquisition were not re-

vealed.

Further, IRI has announced revenues for the quarter ended June 30, 1994, of \$92.2 million, a 12.3 percent increase over 1993 second-quarter earnings. The company reported essentially no net income during the period and a net loss of almost \$8 million in the first six months of '94 — the result, the company says, of litigation costs precipitated by an abortive merger with Survey Research Group.

continued on p. 48



Product & Service Update

interviews/screening

Personnel

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hails

Updated gardening study forthcoming

Organic Gardening, published by Rodale Press, Emmaus, Pa., will release its second "Gardening in America" study in early 1995. The magazine promises the most comprehensive look at green thumbs in the United States. The new study will build on the first "Gardening in America," issued in 1992. The questionnaire for the new study will include many of the same questions as the first, allowing researchers to make comparisons and identify trends. While the original survey looked specifically at the country's 61 million gardeners, "Gardening in America '95" will include answers reported by nongardeners and gardeners alike for comparison's sake. The study is designed to offer a detailed psychographic profile of America's gardeners, and will include information on gardeners' plans to go organic, factors influencing power equipment purchases, and home gardening habits. The survey will be conducted by Greenwich, Conn.-based NFO Research, When issued, it will be available in three formats: a descriptive executive

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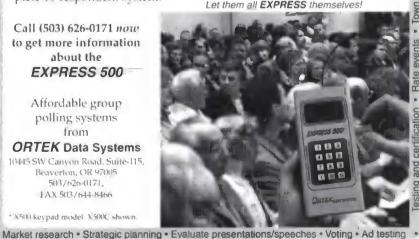
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summary; a tabulation report consisting of several hundred pages of annotated tables; and a database for PCs. For more information, call Scott Overholt at 610-967-8556.

SPSS seminars scheduled

SPSS's one-day seminar on customer satisfaction measurements is currently touring North America. SPSS is based in Chicago. The seminar is designed to give professionals the information they need to conduct in-house programs on customer satisfaction. Covering techniques and strategies for building programs, the seminar agenda includes a question-and-answer session with SPSS market research professionals wherein sample questionnaires and surveys are analyzed. Participants learn how customer satisfaction measurement fits into a total quality management program; discover which measurement strategies fits their needs; determine which characteristics of the products and services their company offers should be measured; learn how to select a sample. design a questionnaire that asks the right questions, analyze data and present results, and use results to implement change. The seminar will be offered on Nov. 29 at the Delta Hotel Office Tower In Ottawa, Ontario, and on Dec. 7 at the Wyndham Garden in Costa Mesa, Calif. For details, call SPSS at 800-543-6607.

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The Customer Profile System from continued on p. 40

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The need for customer satisfaction research will continue to GROW

By Kenneth Long

Editor's note: Kenneth Long is the director of Penton Research Services, afull-service research group in Cleveland. The study findings presented in this article are taken from a series of PRO Reports published by Penton.

pending on customer satisfaction research by American industry has grown tremendously in recent years, and a number of trends suggest that the need for this type of research will continue to rise in the years ahead, particularly among firms that sell to other organizations.

Companies are buying more, but from fewer suppliers

Business and government markets are growing, but getting tougher to self to. Organizations bought more than \$8.3 trillion worth of goods and services in 1993, according to Penton Research Services' estimates. Spending has increased every year since 1982, even during the 1990-91 recession.

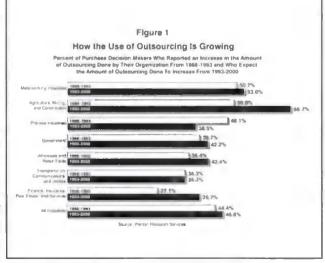
Companies forced to downsize in recent years are now buying many of the goods and services they used to produce internally. Goods-producing industries outsource the most, although government — which is privatizing a number of operations — and many service firms expect to do more outsourcing in the years ahead (Figure 1). Total business

and government purchases are expected to double over the next decade, reaching \$17.5 trillion by the year 2005.

However, it's also becoming more difficult for suppliers to get — and keep — customers. A Penton Research Services study found that 40% of large business and government units are buying from

fewer suppliers than they were five years ago, even though the amount purchased is up. And nine out of ten purchasing executives at Fortune 1000 companies surveyed by the Center for Advanced Purchasing Studies (91%) expect to use fewer sources of supply in the year 2000.

Business and government buyers want to establish partnerships with their suppliers. Properly-conducted customer sat-



isfaction research can help a company build stronger relationships with both current clients and key prospects.

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As CATI System Manager, Naomi Nixon manages a 100 position telephone interviewing center for AHF Marketing Research, Inc., a full service marketing research firm located in the Soho district of New York City.

Businessto-business customer satisfaction research

comes of age

By William Bucker

Editor's note: William Ducker is senior partner of Ducker Research Co. Inc., Bloomfield Hills, Mich.

he concept of customer satisfaction is not new. Thirty years ago, sales managers in industrial companies were interested in the views of their customers. The information-gathering process was informal and little effort was expended ascertaining the views of prospective customers or lost customers.

Today, managers in all departments, not just sales, are called on to produce solid information that will benefit the company in very tangible ways. Further, information-gathering techniques are much more sophisticated, the information developed is more comprehensive, and companies base a broader spectrum of decisions on customer-satisfaction findings.

What's more, the term customer satisfaction has come to apply to projects that go well beyond customers. These days, noncustomers and former customers usually are included in business-to-business research projects, and no study is complete if it doesn't address competitors. Employees also often are included.

Customer satisfaction dehuts

In the 1960s, sales and field service managers at industrial companies were interested in customer views, but the information was not deemed critical. Product design and manufacturing departments had little to no interest in the results of whatever customer satisfaction surveys were done. Top management was interested only if a serious problem emerged or if a major customer who had the ear of senior executives was involved.

All that having been said, firms did do business-to-business marketing research. A great deal of work was underway in new product research, market segmentation research, product positioning studies, distribution studies and advertising effectiveness studies. Companies obtained customer views as a by-product of these efforts.

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tudes was used almost entirely in the interactions between sales and field service staff. Product design and manufacturing rarely received any feedback, and research and development departments received only minimal reports. In fact, most new product studies were conducted after the product was developed.

Beyond suggestion boxes and a few formal programs, input from employees was seldom sought and was mostly ignored when received.

Growing pains

In the '70s, the term "marketing" gained popularity. Sales and marketing managers as well as research and development managers and senior managers sought customer and user input on new products early in the development process. Sales and marketing managers also wanted to better understand the purchase-decision process, and senior managers were very interested in segmented marketsize determinations with comprehensive growth projections.

During this stage in the development of customer satisfaction, companies became increasingly interested in customer attitudes toward them. In particular, there was a great deal of activity in dedicated studies of customer buying practices. Specific audiences were addressed: customers at the top of the 20/80 pyramid and OEM customers separate from replacement customers and distributors, for example. Marketing managers wanted to understand the influences on the purchase-decision process and they wanted to know who was making the decisions.

Gathering customer information, however, was still a one-shot process: Ongoing programs were nonexistent, the manufacturing process remained uninfluenced, and employees still had no input. Further, even though overseas clients were looking at U.S. markets, few stateside companies took a global approach and studied overseas operations.

The studies were based on in-person and telephone interviews. Some mail was used and industrial focus groups gained popularity. Techniques such as conjoint analysis were developed and marketing researchers started to assign importance characteristics to purchase-decision criteria.

Coming of age

Customer satisfaction really came of age in the '80s. Driven by top management, business-to-business customer satisfaction studies started with big customers, then encompassed all customers. Competitors were considered in performance assessments. Late in the decade, noncustomers and lost customers began to be included. Industrial companies started to do formal satisfaction studies among employees.

Companies began taking a more serious and formal approach to business-to-business customer satisfaction programs. Extensive pretest fieldwork, including focus groups, was conducted to define factors in customers' terms. Respondents assigned numerical importance values to criteria. Sponsoring companies and competitors were evaluated against those criteria.

Studies began to be multidivisional and often international in scope, Update studies were conducted. Results were fed back to all departments, including product design and manufacturing. Industrial companies started to seek out the voice of the customer before conducting research and development. Customer satisfaction input became an important part of both Malcolm Baldrige Award evaluations and total quality management programs. Experts in the field - such as John Ettlie, director of the Office of Manufacturing Management Research at the University of Michigan's School of Business Administration - become convinced of the importance of client feedback, "Manufacturing management must have consistent, reliable input from customers if TOM programs are to be effective." Ettlie says.

As the '80s moved along, dozens of

analytical techniques emerged: strategic improvement analysis, top box/ bottom box analysis and reward penalty analysis, just to name a few. Many companies came to depend on customer satisfaction indexes as a measure of progress. Some even tied employee compensation to customer satisfaction index measurements.

All of these analytical techniques proved valuable, but market researchers went too far. Too many numbers and too much detailed input amounted to micromanagement. Researchers went far beyond the detail needed to run even the largest industrial companies. It became difficult to tie customer satisfaction to actual sales results. Management was not getting, but now is insisting on, results the company can immediately put to use.

Forward into the future

Numerical input still is very important, but researchers need to provide a great deal more qualitative input if the results of customer satisfaction efforts are to lead to feasible, worthwhile recommendations. Performance ratings have to be used wisely and judiciously. Perspective must be applied to findings of dissatisfaction. (What does "dissatisfied" really mean?) Companies and the research firms they hire should define customer expectations and customers' versions of ideal performance.

Best-in-class benchmarking studies are popular. They can and should be incorporated into customer satisfaction studies. Further, best-in-class determinations need not be confined to the sponsor's industry or country.

Industrial market researchers should be taking an even more formal approach. Early planning that includes input from management and key employees is essential. Pretest interviews should include competitors, noncustomers and perhaps even representatives of other industries. Frequent review meetings should be scheduled with all participants.

Business-to-business customer sat-

isfaction must be measured on a continuous basis. All departments of a company should be involved — design and manufacturing as well as sales and marketing. Today, projects often are conducted around the worldwide: analysis is done at corporate headquarters.

In addition to conventional analytical techniques, market researchers are exploring alternative scenarios, asking respondents "what if?" questions regarding possible moves by the sponsoring company. Trade-off analyses are conducted; respondents are asked to define the refative value of a client's actions. Analyses that predict returns on investment are not at all uncommon.

Business-to-business customer satisfaction has become an integral part of industrial corporate management. "Customer satisfaction studies have become so complex that management finds it difficult to interpret results. We need, and now are getting, skilled analyses that present results in an understandable format upon which management can base sound decisions," says Edward Donnelly, worldwide director of DuPont Automotive Finishes.

Business-to-business marketing re-

search professionals must pay attention to the qualitative side as well as the numerical and continue to strive for customer satisfaction findings that lead to usable results.



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Dwelling on satisfaction continued from p. 7

"We feel that the accumulation of all those contact points adds up to a customer's perceived value of their experience and customer satisfaction. That's what makes us unique and that is what's not being measured by the industry.

"A lot of people don't measure all the components of staff. It's more than how the staff performs overall. We break it down into six or seven categories which include a lot of attitude-related things: willingness to go the extra mile, timeli-

ness, a sense of genuine concern, and their ability to administer policy. If you measure all of those things that gives you a much more comprehensive measure of how our staff does."

"That's the secret formula: to have an office staff that is genuinely concerned with the residents' happiness, is responsive to their needs and is willing to go the extra mile. We're not out to meet expectations, we are out to exceed them, and exceeding expectations is what drives long-term loyalty."

but how we can solve it."

Secret formula

Results of the ongoing program are given to the entire company annually at Homecorp's national seminar and then are passed on to managers, who meet with their respective staffs.

"In running cross tabs we found that ratings of office staff were the single greatest predictor of customer satisfaction. And office staff is the single largest thing we have control over, so we realized that when customers aren't happy we have no one to blame but ourselves. That's the secret formula: to have an office staff

that is genuinely concerned with the residents' happiness, is responsive to their needs and is willing to go the extra mile. We're not out to meet expectations, we are

Seek their input

It was important at the outset to seek residents' input on which issues the research should measure. Rader says.

"We're measuring what they perceive as the most important items for us to do well on. That includes things that people may overlook in our business. It may be how they perceive their relationship with their neighbors — that's very important and a lot of management companies overlook it. It's a difficult thing for us to respond to, but it's something that we like to know about."

Measuring specific service aspects makes it easier to act on what the research uncovers, Rader says, citing the satisfaction surveys distributed on restaurant tables and at hotel checkout as examples of reactive rather than proactive research. "They may point out a problem, but by then it's too late. We want to do research that tells us not only if there's a problem out to exceed them, and exceeding expectations is what drives long-term loyalty."

Selected Homecorp managers meet to discuss results from the national satisfaction and employee studies and generate ideas.

Homecorp also measures employee satisfaction, thereby supplying the last part of the customer satisfaction equation, "If you don't have a satisfied employee you can't have satisfied customers. Our associate-satisfaction study focuses on communication between management and associates, personal and professional growth and idea generation for improved satisfaction with work environment, all of which we know have an impact on customer satisfaction."

Satisfaction can be profitable

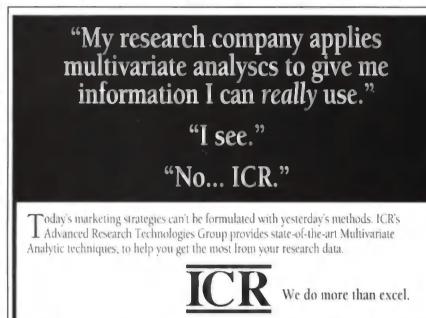
Like many companies that have taken up the customer satisfaction gauntlet, Homecorp has fearned that doing good can mean doing well. "Without a doubt it is much more profitable to focus on satisfying the customer." Rader says. "It's probably the most profitable way to improve your business. The second thing is it's the most rewarding way of doing business, not just for us in the corporate office but the people onsite every day.

"The program has been a huge success, has increased bottom-line profits significantly, reduced turnover, and we've seen satisfaction grow by property in the last two years dramatically."

It's difficult to assess trends at this point, Rader says, due to the newness of the survey and the fact that there isn't a lot of other industry research with which Homecorp's can be compared.

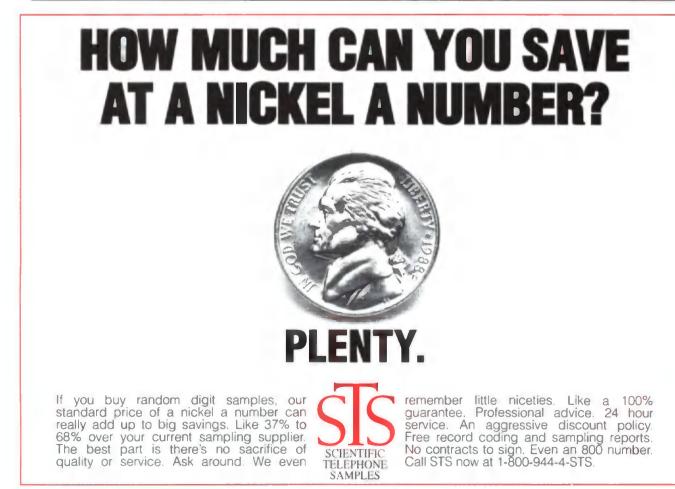
Since the program is only a few years old, wholesale changes aren't in the works. Homecorp is conlident that by continually asking residents what's important to them, the company won't lose touch, Rader says. "We don't want to measure the wrong things, and if you're out talking to your customers every year at each of your properties it would be hard to measure the wrong thing. Our goal is to never let our surveys become antiquated. our associates has been the cornerstone of our success with this program. That listening has generated new ideas and resulted in a stronger bond between us and our residents."

"Listening to our customers and



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Survey Monitor continued from p. 18

She also warns against choosing a package that's too big, and says that the convenience garden should be a starting point, not an end. Once you get some dirt under your nails, take the opportunity to improvise and let your garden grow.

Soccer — America's sport of the future

After watching Brazilian defender Leonardo's flying elbow crack American Tab Ramos' skull in a World Cup match this summer, U.S. parents may be a tad less convinced that they can sign up their kids for futbol without worry. The reality, though, is that the sport doesn't get too terribly wild until you start playing for the honor of your country. Up to that point, soccer's relative purity makes it ideal for and immensely appealing to kids, and numbers published by the Soccer Industry Council of America, North Palm Beach, Fla., attest to its growing popularity in America. In 1993, 16.4 million people played soccer at least once - a 7.9 percent increase over the previous year's total. Among kids under 12, only basketball attracts more players, and soccer is the fourth most popular participation sport among under-18s. Most players are male, but the gap is narrowing: In 1992, 38 percent of all players were females, but last year 41 percent of all players were female. The number of frequent players (more than 24 days per year) increased, too --- from 40 percent of all players in '92 to 44 percent in '93. The SICA reports that there are 3.3 million soccer afficionados --- for whom soccer is their favorite activity-in the United States.

The SICA's figures are derived from the National Soccer Participation Survey, a syndicated tracking study conducted by American Sports Data Inc., Hartsdale, N.Y. For more information, call 407-840-1171.

Sports medicine sales bulk up

Sales of sports clothing are down. The decline could be chalked up to Americans reestablishing their love affair with laziness, but a recent study by New Yorkbased Packaged Facts seems to indicate that sales likely have fallen off because folks are laid up at home with a pulled groin or some other nasty sports-related injury. People are either playing more or playing harder — whatever the case, they're getting bumped and bruised doing it.

According to the study, retail sales of over-the-counter sports medicine products grew 10 percent in 1993 to \$551 million. There are three product categories in the market: topical analgesics (43) percent of retail sales for a total of \$235 million in '93); athlete's foot/jock itch remedies (38 percent, \$210 million); and elastic wraps and braces (19 percent, \$106 million). The total market is expected to be worth \$603 million in 1994, a 9 percent gain. After that, 10 percent annual growth is projected through 1998. when sales will reach \$879 million --because a lot of people will be hurting. For more information, call 212-627-3228.

Ad agencies' 1992 numbers show strong gains

Final tabulations show that in 1992, after three years of declines, the nation's publicly traded advertising agencies increased operating income by 12.6 percent to \$672.5 million and saw operating cash flow grow 9.1 percent to \$904 million. Findings from the 11th annual Communications Industry Report, published by the New York investment banking firm of Veronis, Suhler & Associates Inc., offer further proof of a vigorous climate for large ad agencies. The report reveals operating income margins at 8.7 percent, up five-tenths of a point from 1991 and operating cash flow margins of 11.6 percent, up three-tenths of a point; operating income returns on assets at 6.6 percent, up five-tenths of a point; and cash flow returns on assets of 8.8 percent, up fourtenths of a point. Revenues for the group were up 6.4 percent to \$7.8 billion. The year's positive results excluded the huge restructuring charges and writedowns recorded by Saatchi & Saatchi.

The robust 1992 advertising revenues and operating income trends, which continued into 1993, reflect increased acquisition activity in the United States and abroad, modest improvement in the domestic economy, and advertising activity surrounding a number of high-profile special events, such as the Olympics, that attracted substantial advertising dollars.

Omnicom was 1992's most active acquiring company. It spent a total of \$80.9 million for TBWA International (a stock swap), Canada's McKim Advertising and the portions of Goodby, Berlin & Silverstein and Baker Lovick BBDO that Omnicom did not already hold.

Publicly traded companies earned 55 percent of all U.S. agencies' worldwide revenues in 1992. Since 1988, revenues of publicly owned agencies have risen overall by 5.2 percent, compounded annually — well above the 1.8 percent growth rate of total U.S. measured media advertising. For more information, call 212-935-4990.

Popularity of malls droops

Malls, once firmly established as the epicenters of American pop culture, have lost some of their appeal, according to the results of a study done by Maritz Marketing Research Inc., St. Louis, Of those surveyed, 32 percent said they are using malls less frequently than they were a year ago. The new study confirms a 1990 Maritz survey that also showed malls' popularity waning. Store owners may be particularly distressed to learn that women are leading the charge away from malls. Over a third of the women surveyed (36) percent, compared to 28 percent of the men) said they are shopping at malls less often. Only 14.2 percent of those surveyed said

they are hitting the mall more frequently.

Money and time factor heavily in the mall equation. Nearly a fourth of those surveyed (24 percent) don't use malls as much because the stores are too expensive (11 percent said they think mall shops are more expensive than discount stores). Another 16 percent are too busy or don't have the time to shop at malls: 8 percent said traffic and parking are prob-



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lems. A number of people think malls are too crowded (26 percent). Surprisingly, 18- to 34-year-olds are most likely to cite crowds as the biggest drawback (36 percent, compared to 21 percent for all other age groups).

Still, those surveyed stop at the mall 2.6 times per month on average. Those 18 to 24 years old shop most frequently — an average of 3.8 times a month. The survey indicates that 83 percent of Americans visit the mall at least once a month. Not surprisingly, what many people (42 percent) like about malls is the large

selection of stores. One-stop shopping attracts some (25 percent), while convenience lures another group (11 percent). The survey revealed that the average shopping trip to a mall lasts 2.1 hours, and, in support of an unfortunate stereotype, womentend to spend more time (2.5 hours) on each trip to the mall than men (1.8 hours). The Maritz AmeriPoll is a national consumer opinion poll conducted regularly. For the poll, 1.000 adults — women and men in equal measure — are surveyed by telephone. For additional information, call Phil Wisemanat 314-827-1610.

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California's retail market proves a jumble

After analyzing 11,475 general merchandise stores' actual retail sales from 1990 to 1993, the California Retail Survey, Carmichael, Calif., has discovered that it's difficult to generalize about the state's retail market. While California's general economy has been sluggish -83 of the 220 local markets experienced declining safes during the period-stores in 51 communities saw sales grow by more than 10 percent per year. Twenty of the 51 had average growth of more than 30 percent. The C.R.S., an annual publication that tracks and analyzes short- and long-term retail trends, discovered average sales growth of 3.4 percent over the last three years. According to the survey, general merchandise stores control some 18.1 percent of the retail market in California. For more information, call 916-486-9403.

Convenience stores change or die

Could it be that Ho-Ho's have lost some of their appeal? The convenience store industry, which enjoyed explosive growth from 1952 to 1990, has taken a hit lately, according to a study published by FIND/SVP, New York. The number of stores climbed from 44,100 in 1980 to 71.200 in 1990, but since then, 3,300 stores have closed. While it's tempting to proffer the notion that health consciousness has turned folks away from the local Kwik-E-Mart, economics drove the fall: Customers perceive that convenience store items are not competitively priced. Yet irony reigns supreme at the checkout counter, as people with relatively low household incomes are more likely to shop at convenience stores than those with incomes in excess of \$50,000, Convenience store shoppers are also tend to live in households with three or more members but no female parent figure. Customers also tend to be African-Americans who did not graduate from high school and work in a blue-coflar position.

The findings are collected in The Market for *Convenience Foods in Convenience Stores*, written by Catherine Roberts and published by FIND/SVP. The publication estimates that the market for convenience-store food added up to \$2.21 billion in 1993. The sales breakdown included deli products (excluding sandwiches), 26.3 percent; fresh sandwiches,

23.5 percent; foods cooked on site, 17.2 percent; other fast foods, 17 percent; and frozen sandwiches, 15.9 percent. Roberts believes that in the coming years, successful convenience stores (and gstores, which are operated by petroleum marketers) will sell more fresh sandwiches, foods cooked on site and other fast foods, though frozen sandwiches are likely to continue to be offered in more stores than any other single item. She also predicts that stores will continue to downsize and look to partnerships with fast-food chains for opportunities to create programs specifically tailored to convenience stores' customers. For more information, call James Demas at 212-645-4500.

Technophobia runs rampant

For most Americans, the cutting edge is out of sight. Interactive media has industry insiders all atwitter, but more than anything else, the average joe is still in the dark, (Ed. note: I resent that remark.) "Tele-Nation," the national telephone research newsletter published by Market Facts, Arlington Heights, Ill., reports that in a survey it conducted for Advertising Age magazine, only 19 percent of those contacted claimed to be aware of the concept of interactive media. Only 7 percent of respondents said they were very interested in getting interactive media on their home TV; 26 percent were somewhat interested; 66 percent couldn't give a hoot. The upside for media marketers is that younger and more affluent people responded somewhat more enthusiastically (47 percent said they were somewhat interested and 9 percent were very interested), and 40 percent of all respondents said they would be willing to pay for the new media. Those who are interested in interactive media say they are most interested in movies on-demand and TV programs (55 percent), educational children's shows (48 percent), travel reservations/information (40 percent), TV game shows (33 percent), sporting events (31 percent), electronic mail (27 percent), video games (26 percent), music-channel shopping services (25 percent), online services such as Prodigy (25 percent) and home shopping (22 percent).

Yet the problem remains: People generally don't buy stuff they don't understand --- it would seem those would like to sell interactive media have some ex-

plaining to do first. For more information, call 708-590-7000.

Celebs sway fashion choices

Maybe posing gravid and naked on the cover of Vanity Fair wasn't such a bad idea after all - the young women of America seem to think Demi Moore is extremely hip. According to a recently completed Us magazine survey, women 18 to 34 most want to look like actress Demi Moore, Moore, at 21.1 percent,

was significantly more frequently picked than Cindy Crawford, the No. 2 choice at 15.6 percent. The list was, ahem, rounded out by singer Janet Jackson (15 percent), actresses Julia Roberts (14.2 percent) and Sharon Stone (14 percent), and ubermodel Paulina (9.7 percent). Those surveyed also most frequently picked Moore (19.7 percent) as the primary influence on their fashion choices for evenings out. Tellingly though, 25 percent of the women surveyed said they would like their husband or boyfriend to tell them they look like Crawford, promoting the

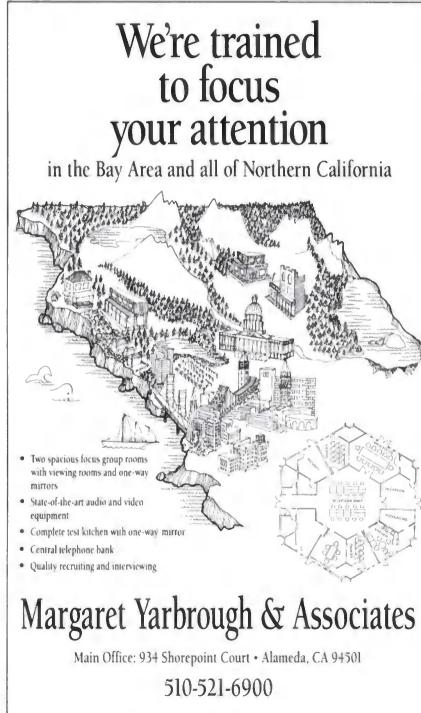


idea that women admire well-rounded celebs while believing that the men in their lives want a woman who's curvaceous more than anything else. What's more, respondents believe that Crawford (19.3 percent) has the most exciting lifestyle. Moore pulled up second at 18.3 percent.

Entertainers in general get more of young American women's respect than models do. Product endorsements from entertainers (52.5 percent) are more likely to be believed than those from models (47.5 percent). Respondents more often eyed entertainers' fashions (57.4 percent), and more of them took tips from actress, singers and the like (60.2 percent). On the other hand, 24.5 percent of the respondents in the survey said they took makeup tips from Cindy C., as opposed to 17.6 percent from Moore. Maybe they just want that mole.

Women go for green things

Women want manufacturers to get hip to environmental consciousness. A vast majority of women surveyed by EDK Associates, New York, say they want the



federal government to force companies to stop polluting the environment. While a similarly large majority (94 percent) believe they can help the cause by recycling, women increasingly are interested in influencing the environment with their pocketbooks. Of those surveyed, 66 percent said they're thinking green when they go shopping. Women of all age groups, incomes and occupational status bring an environmental agenda along with them when they hit the stores, but 45- to 54-year-olds (73 percent), those with a household income of \$45,000 to \$54,999 (75 percent) and homemakers (75 percent) most often said they made purchases with the health of Earth in mind. Those 65 and older (59 percent), women with a household income of less than \$25,000 (65 percent) and full-time workers (62 percent) represented the not-toodistant other end of the scale.

While 38 percent of those surveyed said their biggest fear was that pollution would affect their health, a far larger portion (58 percent) worry about the next generation. Three-quarters of the 18- to 24-year-olds surveyed are most worried about the environmental legacy future generations will have to grapple with. More than a third (37 percent) cited the limits pollution puts on their outdoor activities as their top concern.

More often than not, women look at labels to find "environmentally safe" products: 63 percent get their information right from the can, while a much smaller group (12 percent) relies on the media for warnings. This presents manufacturers with a significant opportunity to do their bit by educating their customers. Despite their desire to buy right, almost half of EDK's green shoppers (48 percent) don't know why certain brands of toilet paper, jeans, detergent and appliances are safer for the environment than others. (Toilet papermade from recycled materials, jeans made with natural dyes and organically grown libers, phosphate-free detergents and energy-efficient appliances get the green stamp.) EDK's research leads the company to believe that green shopping isn't just atrendy thing to do that will fade in popularity. The company expects environmental concerns to influence purchasing decisions even more significantly in the future.

EDK surveyed 500 women nationwide January 24-26 and reported its findings *EDK Forecast*, the company's newsletter. For more information, call 212-582-4504.

Ensuring satisfaction

continued from p. 17

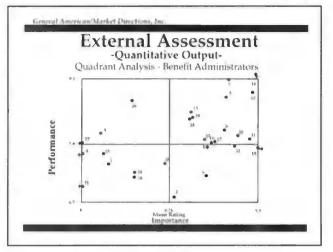
measured were reliability (performing promised service adequately); responsiveness (willingness to help customers and provide prompt service); competence (having the skill and knowledge needed to perform the service); courtesy (demonstrating respect, consideration and friendliness); access (being readily approachable and easily contacted); communication (informing customers in a way they understand); and customer needs (understanding what the customer wants).

Advanced analysis was applied to routine cross tabs. Quadrant analysis provided an excellent look into the external assessment of General American and showed the company what was important and what needed to be improved on for highperformance ratings. Factor analysis identified which attributes were most important, and regression analysis showed which factors carried the most impact on overall customer satisfaction.

Prioritize improvement

A joint presentation was made to several levels of General American management using detailed charts and graphs to express what was learned. The company plans to improve communication with its customers and has acted to meet customer requirements. The research helped prioritize improvement efforts based on what is most important to the customer and it is driving General American's long-range (1995-1997) planning.

In addition, the results of the research will be used to create targeted surveys on particular aspects of the insurance company's service. This in-depth research will enable General American to become much more cost-efficient and will lead the company to



improved sales and longer-term relationships with its clients.

By investing in market research General American received solid, reliable information on what its customers want in an insurance company. The data will help it chart a path that it confidently can take into the future.

General American is certainly not alone. Many insurance companies are doing the same in the way of reengineering, because market pressures are forcing higher levels of efficiency and productivity among competitors. With so much competition in the industry, companies that are not reorganizing to provide better customer service might be in for dark days not too far down the road. 🖵



Product & Service Update continued from p. 24

Quantum Management Group, Charlotte, N.C., is an integral part of the Performance Marketing packages that the company customizes for its clients. The system tells client companies how many people visited them, where the visitors are from, why they visited and why they chose a particular product or company over others. The Customer Profile System tracks results, measures impact and monitors market fluctuations. The information is provided in concise, understandable terms. Quantum uses state-of-the-art computer mapping programs, integrated with other data, to give management at client companies access to critical information. For more information, call 704-342-4488.

Audits & Surveys starts vending machine, pet products projects

Audits & Surveys, New York, has

begun an audit of vending machines called VENDtrack and a study of the pet food and other products marketplace called PETS. With a sample of more than 3,000 candy/snack and beverage vending machines, VENDtrack offers nationally projectable information on an ongoing basis. The survey of machines will vield data on distribution and price, as well as breakdowns of product categories and a detailed analysis by brand within product categories. PETS, officially known as Pet Products Evaluating Tracking System, will offer a bimonthly overview of the \$12 billion pet food and products market. Thousands of stores - pet shops, veterinarians' offices, farm feed businesses and pet "superstores" - will be visited and thoroughly audited each year. The latest point-of-sale information from those outlets where it is available also will be included. Audits & Surveys will provide clients with nationally projectable information on market shares and trends. For more information, call 212-627-9700.

Wright turns Apple's Newton into a data collection tool

San Diego-based Wright Strategies' OmniForm mobile data collection software is designed to be used by survey specialists, market researchers and others looking for sophisticated and accurate field data collection and forms creation capabilities. The system is based on combining the portability of Apple's Newton Personal Digital Assistant with the power of a Macintosh computer or a Windowsequipped PC. The system's form builder. used on the Mac or PC, allows users to create forms as a series of fields, each containing a question or prompt with a specific type of acceptable input. The forms are downloaded onto a Newton, Each field has an associated script, and each answer leads to an appropriate question - users don't have to skip around, and form designers can use the scripts to create forms that cannot be completed incorrectly. Data from a completed survey is transferred by modem or serial cable back to the host PC. The system



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CMR develops nutrition and fitness program

Children's Market Research Inc., New York, has developed a program designed to educate children and teens about nutrition and fitness. The company has available materials that support the program. Kids' Pyramid Power should heighten kids' nutritional savvy by explaining the USDA's food pyramid concept in a way children can understand so they can apply the concepts to their lives. The first phase of the program is the "Kids' Pyramid Power Report" - a 50-page report providing facts, teaching methods and promotions. The report also includes the complete proposal for the Kids' Pyramid Power program. The proposal details the objectives of the program and explains exactly how they will be realized. Other elements are in development and will be

introduced in 1995: curriculum guides, activity guides, a promotion involving school cafeterias nationwide, a weekly television series, a video game, music cassettes, the Kids' Pyramid Power home game and home videos. The report is based on 1994 information and research. The \$295 price of the report includes enrollment in the Kids' Pyramid Power Network, through which information about kids and nutrition, new products and services, and promotions and premiums will be provided. For further information, call 212-794-0983.

International demographic comparison tool debuts

First Cut, an electronic reference sheet, facilitates quick comparison of 196 countries in terms of 16 different demographic variables — GNP per capita, for example. The result of a joint project conducted by Population Reference Bureau, Washington: Sherbank Marketing, Toronto; and W-Two Publications, Ithaca, N.Y., First Cut uses data from Population Reference Bureau's "World Population Data Sheet" and runs under Windows. First Cut users can browse through the program, ranking countries on different variables. It costs \$29.95 and comes on a single diskette with a copy of the "World Population Data Sheet." For more information, call 607-277-0934.

Claritas data coming to SAS System

SAS Institute, Carv, N.C., and Claritas Inc., Alexandria, Va., have reached an agreement that will make 100 different Claritas demographic and marketing databases available to users of SAS/GIS software, the new geographic information system component of the SAS System. The SAS system is an integrated suite of software that enables enterprisewide information delivery. The databases will be formatted for SAS users in a way that provides an easy link between Claritas and the SAS System, allowing access to geographics, media usage, PRIZM lifestyle, health care, retail, crime and environmental hazards databases, among others. For more information or a catalog of Claritas data available in the SAS format, call 800-284-4868.

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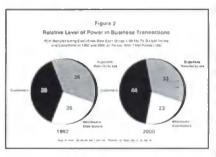
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Customer satisfaction growth

continued from p. 26

Customer power is increasing

The balance of power in business transactions is shifting to the customer. According to a study conducted by Arthur Andersen in conjunction with the Distribution Research and Education Foundation, the buyer's ability to dictate such terms and conditions as billing and pricing



is expected to increase during the '90s, while the power of suppliers/ manufacturers and wholes aler-distributors decreases (Figure 2).

As buyers gain power, they'H

have increased leverage to set standards for product quality and specifications, delivery time, and service. More than half of the executives surveyed by the Gallup Organization (53%) report that demands from their company's customers are rising or changing a great deal.

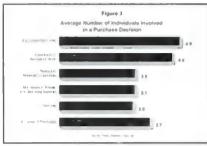
Research allows a supplier to truly hear the voice of the customer and tailor its product/service mix to changing buyer needs.

Suppliers need to satisfy multiple buying influences

Companies selling to industry have to please a number of different individuals within customer organizations, each with their own needs and agendas. According to a Penton Research Services survey, the number of people involved in a buying decision ranges from about three, for services and items used in day-to-day operations, to almost five, for such high-ticket purchases as construction work and machinery (Figure 3).

A Forsyth Group

analysis of buying decisions at one large firm, Harnischfeger, showed that the number of individuals involved in the purchase of a single type of prod-



uct can exceed 50. And it's not going to get any easier for suppliers. A Center for Advanced Purchasing Studies survey found that 87% of the purchasing executives at Fortune 1000 companies expect teams of people from different departments and functions to be making buying decisions in the year 2000.

A well-designed customer satisfaction measurement program that targets key buying influences can help keep



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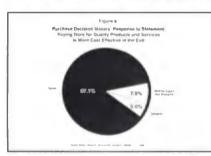
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current customers sold and identify ways to win over noncustomers.

Quality is still job one

Customers want a good price, but refuse to sacrifice quality or service to get it. A Penton Research Services survey of business and government decision-makers found that quality is the single most important factor in choosing a supplier. Price received the second largest number of mentions, followed by reputation, delivery time, and technical assistance.

In fact, nine out of 10 business buyers believe that paying a higher price for quality is more cost-effective in the long run (Figure 4), and according to a study conducted by Kane, Parsons & Associates, most executives (86%) prefer to do



business with suppliers that have made a formal commitment to quality improvement and customer satisfaction

The buyer, not the seller. determines what attributes of a

product or service constitute quality, and research can provide an objective measure of what customers think, correctly or incorrectly, about a company and its competition.

The rate of change is fast and getting faster

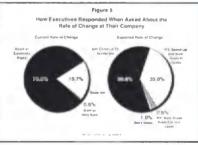
American industry is in a continual state of flux. There are more than 8,200 new business incorporations, failures, acquisitions, address changes, and name changes on the average business day.

The buying influences that suppliers need to keep satisfied are also constantly changing. A Penton Research Services analysis of changes among managers, engineers, and purchasing agents found that more than 20% leave their company, change job titles, or transfer to another location over the course of a year. This means that more than half of the buying influences will probably change in some way within three years.

Most of the executives surveyed by the Gallup Organization believe that the current rate of change at their company is rapid or extremely rapid, and 61% of them think that the pace of change will accelerate in the future (Fig. 5).

Companies selling to industry have to continually monitor the marketplace to be able to respond quickly to changes in buying procedures, factors influencing the purchase,

and the people making the buying decision. Customer satisfaction research



will be needed more than ever by firms that want to survive — and thrive — in the challenging years ahead. \Box

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Names of Note continued from p. 22

was senior vice president of Quick Test. In addition to its headquarters and Boston and New York bureaus, Market Facts has offices in Washington. Los Angeles, Cincinnati, Toronto and Montreal.

Priscilla Light has been named senior project director at *Research 100*, a marketing firm based in Princeton, N.J. Light, who ran her own communications and marketing research company before joining Research 100, is responsible for the direction of research projects and client service.

Larry G. Chiagouris has joined New York-based Creamer Dickson Basford Inc. as executive vice president and director of client and strategic services. Chiagouris, who holds a Ph.D. in consumer behavior, is responsible for directing agencywide business development and the company's Research Services and Information Services departments, in addition to setting strategic standards on CDB account work and marketing the firm in general. Chiagouris comes to CDB from Backer Spielvogel Bates.



Chiagouris

Houghton

Jay Houghton has joined the *Doluring Co. Inc.*, Glendale, Calif. Houghton will serve as the company's account manager—OEM, and as such has opened a Detroit office for Dohring, an automotive research firm. In his new position, Houghton oversees the company's OEM and dealer advertising association activities.

Nicole Kane, Alison Munsch and Anthony Vedugo have joined Market Segment Research Inc., a qualitative and quantitative market research concern with headquarters in Coral Gables. Fla, Kane becomes vice president of strategic planning. She comes from Leo Burnett Co., Chicago, where she did market planning, research and consulting. Munsch is senior project director/ moderator. She came to MSR from Kraft General Foods, where she served as market research supervisor, and has experience in research techniques used in both long-term strategic planning and short-term opportunity assessments. Verdugo is a project director for MSR, He has managed various aspects of qualitative and quantitative research, and provided strategic analysis.

Jeffery Etherton has joined Northwest Research Group Inc. as qualitative research manager. Etherton will supervise and manage all aspects of the firm's qualitative research projects, including bidding, booking and the supervision of





Etherton

Dixon

recruiting. He will also supervise the facility coordinator and recruiting supervisor. Joe Dixon has joined Northwest as a research associate. At Northwest, Dixon is responsible for managing quantitative research projects. He previously was the principal at fnfoBase in Kirkland, Wash,

Bob O'Brien has been named vice president and general manager of *NPD CREST*, Chicago.

Jeffrey J. Linenfelser has been named senior project director for *Stander Research Associates Inc.*, St. Clair Shores, Mich. William G. Larkin has been tabbed as project coordinator for the company.

Robert A. Hill has been made president of *Rockwood Research*, a St. Paul, Minn.-based a subsidiary of Farm Journal Inc. Hill comes to Rockwood from Martiz Marketing Research, where he was senior research manager.

Todd Williford has been made the director of the *National Survey Center*, Arlington, Texas. The center is owned and operated by Decision Analyst Inc., also based in Arlington.

Gregg Stickeler has been promoted at *Interviewing Service of America Inc.*, Van Nuys, Calif., and Jennifer Von Schneidau has joined the company. Stickeler has assumed the role of vice president, data collection services, while Von Schneidau becomes vice president, project and client services.

Karen Flannery has been made a vice president for the Philadelphia-based *Response Center*. She will work out of the company's newly opened Chicago office.

Dean J. Kilpatrick has been named president of ICT Research Services, the market research division of the Langhome, Pa.-based ICT Group Inc. Kilpatrick is responsible for managing the overall direction of ICT Research and expanding the division's client base and service capabilities. At the same time, the parent company has named **Robert Howl**ing as vice president of finance and has promoted John "Jack" Mage to executive vice president of operations, and **Robert Small** to senior vice president of client services. (For further information, see Research Company News.)





Kifpatrick

Thomas

Jerry W. Thomas has been named chairman of the Advisory Board of the University of Texas at Arlington's Master of Science in Marketing Research degree program. Thomas is the president and CEO of Arlington-based Decision Analyst Inc. The school's program is designed to prepare students for careers in marketing research, product of brand management, marketing management, advertising and strategic planning.

Karole N. Friemann has joined *Three Cedars Inc.*, Omaha, Neb., as vice president of market research. Friemann leads the market research staff and will spearhead the expansion of the company's research division.

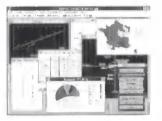
Teri Williams has joined Atlanta Focus as project manager. She is responsible for all qualitative research projects and new business development for the company.

Thomas E. Miller has rejoined *FINDI* SVP Inc., New York, Miller helped found the company in 1969; he left in 1982, but has returned to become a vice president of the company's new Emerging Technologies Group. He will direct the group's activities as it conducts a series of major multiclient studies assessing consumer and home-office information use and demand. He also will spearhead FIND/ SVP's participation in the development of new products and services for the information superhighway.

The Marketing Research Association has presented Linda K. Tessar with its 1994 Distinguished Service Award and Christine O. Adams with its 1994 Award of Excellence. The Distinguished Service Award is given in recognition of extensive and notable service to both the association and the marketing research industry in general. The Award of Excellence is given to recognize service to the association and to local chapters. Tessar is president of NETWORK, Covington, Ky., a coalition of industry leaders involved in data collection and field management services. Adams is vice president of operations for the BASES Group, a company specializing in new product evaluation and forecasting using simu-

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PI

lated test markets and test models. The Bases Group is also in Covington.

Tim McPartlin and D.J. Jefferson both have been promoted to senior vice president positions at *Lieberman Research West*, Los Angeles. The promotions coincide with LRW's opening of three Centers of Excellence. McPartlin will head the fnternational Research Center while Jefferson leads the Litigation Support Center. Maria Stark, a vice president with the company, has been tabbed to head the Qualitative

Hispanics tend to preserve their cultural values, traditions, and identity. Research Center. (See Research Company News.)

Phil Brantley has become a vice president of *Creative Research Services Inc*. He also will serve as the managing director of the company's Cincinnati headquarters.

Atlanta-based *SDR Inc.* has added **Shahrzad Amirani** and **Chuck Mobley** to its *Marketing Services Group*. Amirani will serve as senior consultant, research methods. She will consult with

The ability to understand Hispanic cultural values and forecast their influence on a purchasing decision is vital to successful Hispanic marketing programs.

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both research-company and corporate clients in designing and executing advanced methodological approaches to strategic marketing issues. Mobley is an experienced programmer in several statistical packages, specializing in SAS.

SDR also has established account and project management teams, adding and promoting personnel in the process: Operations manager Ann Morrell will add responsibility for all mailing services to her duties. Midwest regional manager Laura Mirkin will take on responsibility for managing all nonmail data collection. She also will assume additional business development and accountmanagement functions. Paula Schultz has been promoted to account manager in SDR's Chicago office; Robyn Atchison and Janet Moss have been named account managers in the Atlanta office; Lynda Bennett. Greg Gorezynski and Katie Baron have been made project managers in the Atlanta office; and Angeta Phillips and Hank Menzel have been named project managers in the company's Chicago office.

Jenifer Gordon has joined the *Paria Group*, Orem, Utah, as a research analyst. She primarily will be responsible for programming questionnaires into



Gordon

Gardner

the company's computer-assisted telephone interviewing system, coordinating research projects and providing clients with data analysis and reports. Meanwhile, **Dahl Gardner** has been promoted to vice president of operations at the Paria Group. He will oversee research productivity and project efficiency and continue in his role as the director of health care research projects.

Michael Mowbray has been promoted to vice president—marketing research at *Waldbillig & Besteman*, Madison, Wis. Mowbray formerly was the company's director of marketing.

High marks

continued from p. 9

tions exceeded enrollment openings by roughly 800 students. The district plans to again survey prospective customers in the community in January 1995.

The district also conducts an annual graduate follow-up survey to check on the status of students six to 12 months after graduation and to obtain retrospective comments on satisfaction and suggestions for improvement. The research design for the graduate survey includes an initial mail survey and subsequent data collection via phone, with multiple call-backs to ensure randomness, minimize nonresponse bias and attain a majority response rate. To date, results by mail have not differed significantly from results obtained by phone. The district also surveys exiting students to uncover their reasons for leaving. The school separates factors it can influence, such as dislike of the school, from reasons for leaving that it can not affect, such as relocation.

Selecting indicators and setting standards

District officials get a complete picture of school performance by combining information on customer satisfaction and market position with traditional measures of the quality of a school - school climate and student achievement. Taking a cue from successful service businesses, the NCCVTSD utilizes measures of customer satisfaction and market share in its regular reporting procedures to school administrators. Other, more traditional school performance indicators are also measured: student attendance, staff attendance, outside suspension rate, infraction rate, test scores, grade distribution, enrollment retention, co-op employment, and graduate follow-up status.

For each of these measures, the district has set a standard of acceptance and a standard of excellence based on discussions with administrators, teachers, members of the business advisory committees and parents. The starting point for establishing standards is an honest appraisal of both current performance and the ability of the schools to meet objectives in the future. State and regional averages, past performance within the district and the performance of respected competitors serve as guidelines.

It is important that performance standards be measurable, reliable, valid, reasonably attainable, related to strategic objectives and action plans, based on internal appraisal and relevant competitive comparisons, and described in terms that are easy to understand.

School report cards

Each school's actual performance is not only tracked, it's also evaluated according to the standards that have been set. At the end of each marking period — when the students get their with the first customer satisfaction survey of parents (conducted in 1992), the second survey (1994) revealed a significant improvement in the rating of overall satisfaction (from 3.83 to 4.01 on a 1-5 scale) and an increase in the percentage of responding parents whose expectations were met or exceeded (from 87 percent to 90 percent).

Foresight and support

The foresight and support of district administration encouraged the development of both the comprehensive marketing research program and the performance reporting system. The information on the performance

The NCCVTSD is on a path that few secondary school systems have traveled. The journey continues to inform the district's efforts—convincing administrators to learn more about its customers and its perceived image, and helping them develop helpful and useful questions and measurements.

report cards — each of the schools also gets a report card. Measures that do not meet the standard of acceptance are accompanied by a check mark and require explanation and a plan for improvement from the school's principal.

A principal also provides reasons for progress when a substantial improvement in performance is realized, allowing other schools to share successful tactics and strategies. To record their reports, principals use a form specifically designed for the task. The forms are designed to associate events and activities that may affect school performance.

The reports — three marking-period reports and a final, more detailed annual report — have focused attention on performance improvement and led to welcome change. Since the 1989-1990 school year, attendance has improved by 3 percentage points and outside suspension rates have declined by 50 percent. Compared reports is recognized as important to the administrative and teaching staff and is used by district administration and the Board of Education in strategic planning and goal-setting.

The NCCVTSD is on a path that few secondary school systems have traveled. The journey continues to inform the district's efforts — convincing administrators to learn more about its customers and its perceived image, and helping them develop helpful and useful questions and measurements.

Since the coming years likely will witness the offering of more choices for education, schools with a track record of marketing research and performance reporting will be best positioned to succeed as a respected part of the community and as a preparer of young adults. Marketing research and performance reporting have certainly enabled the New Castle County Vocational Technical School District to be better prepared for the future.

Research Company News continued from p. 23

FIND/SVP, New York, has purchased Industrial Decision Support International Inc., a New Yorkbased consulting firm that specializes in customer satisfaction measurement studies, IDSI President Stephan Sigaud will become managing director of FIND/SVP's new Customer Satisfaction Strategies Division, which will take on all of IDSI's staff and business, IDSI's client list includes Alcoa, American Airlines, Rohm & Haas, Engelhard, Cytec and Praxair. Terms of the acquisition were not disclosed. FIND/SVP intends to continue to look for opportunities to buy small, profitable consulting and research organizations.

Further, FIND/SVP has formed an new unit called the Emerging Technologies Group. The new unit operates within the company's Published Products Division. Thomas E. Miller heads the group. (See Names of Note.)

Sorensen Associates Inc. - a Portland. Ore., company that does consumer research exclusively in supermarkets - has developed an interviewer training and certification program that addresses issues facing interviewers working in supermarkets. The company has honed the program over the past 20 years in an attempt to help standardize its nationwide research. In the program, interviewers watch a training video and read an accompanying training manual. To be named certified interviewers, they must score 80 percent or better on an exam covering the material in the video and manual. Once certified, interviewers are given identification numbers that allow Sorensen to track their work by response rate achieved during in-home studies, placements or interviews per hour, comments made by respondents, and data comparability and reliability. For more information, call 800-542-4321.

Gerry Linda has reestablished Gerry Linda & Associates in Glenview, III. The firm was previously in operation from 1986 through 1989. Linda's background is in advertising and qualitative marketing research, and the firm offers services ranging from business planning and brand personality development to marketing research and strategy. Its address is: 2100 Fir St., Suite 3000, Glenview, IL 60025-2815, Phone/fax is 708-729-3403.

The International Research Institutes, — a multinational marketing and social research consortium based in Brussels, Belgium — has selected Response Analysis Corp., Princeton, N.J., as the U.S. member of its partnership. Formerly, IRIS comprised 16 European firms conducting research for Western European companies. Response Analysis Corp. is its first non-European member. The consortium plans to announce Mexican and Asian partners soon.

Barbara Leflein, a former senior vice president of Bruskin/Goldring Research, has formed her own company, Leflein Associates Inc., in



Leffein

Teaneck, N.J. The company will specialize in innovative research services while developing new analytical tools as well as syndicated products. In addition to drawing on Leflein's experience, the firm will use a network of research specialists. Leflein and Associates' address and phone numbers are: 8 Millay Court. Teaneck, NJ 07666. 201-801-0159/(fax) 201-801-0748.

Total Research Corp., Princeton, N.J., has purchased the assets and business of Business Marketing Services Ltd., London, for 243,000 shares of Total Research stock and approximately \$1.6 million in cash. BMS becomes a wholly owned subsidiary known as BMS-Total Research. The

finalized agreement creates a marketing research firm that Total Research believes could earn as much as \$20 million in the fiscal year that began fulv 1, 1994. The new subsidiary will continue to serve BMS clients such as Dow Europe, Swissair, Lufthansa, Texaco Europe, Motorola, BP and British Airways. According to information supplied by Total Research, BMS grew at an average annual rate. of 14 percent over the last five years despite a severe recession in Europe, and had gross revenues of \$2.5 million in 1993. Total Research had gross revenues of \$12.6 million in Tiscal 193. Ten-year-old BMS has 25 employees and conducts 75 percent of its business on the European continent. BMS and Total Research conducted joint marketing seminars on advanced research technologies in London last June.

Meanwhile, Total Research also has released financial figures from its third-quarter reporting. While revenues for the quarter dipped slightly compared to last year's third-quarter number, net income increased. Ninemonth totals showed growth for both revenues and net profits. Reported revenue from signed contracts totaled \$5,706,920 as of March 31, an increase of more than \$1 million over the December 31, 1993 ligure. Net income for the quarter was \$157,847. or 2 cents per share, on revenues of \$3,208,293 - compared to net income of \$127,419, or 2 cents per share, on revenues of \$3,257,994 for the same period last fiscal year. For nine months, net income increased 59.5 percent over last year to \$499,959, or 5 cents per share, on revenues of \$10,105,742.

Macro International has opened an office in Moscow. The company, which has been expanding into Eastern Europe, hopes the new location will induce a two-fold increase in business in that part of the world. Macro provides market research and consulting services to companies that want to get their products or services into developing markets. Macro also has offices in Warsaw, Prague, Budapest and Györ, Hungary, Macro's Moscow address is: 12 Krasnopresnenskayanab., Suite 1128. M2, 123610 Moscow, Russia. The telephone number is 7095-253-1128.

The Tribune Co., Chicago, has agreed to purchase Farm Journal Inc., Philadelphia, the parent company of Rockwood Research, a St. Paul firm specializing in market research for the ag industry. Terms of the safe, which should be completed in the third quarter of 1994, were not revealed.

Lieberman Research West, Los Angeles, has formed three versions of what it calls a Center of Excellence - one for International Research. one for Litigation Support and one for Qualitative Research. The International Research Center will employ LRW's worldwide network of affiliated data-collection services. which the company hopes to expand to 150 affiliates by the end of 1995. LRW says the network, which covers Europe, Asia, Central and South America, Mexico, Canada, Russia and much of the Middle East, will help it maintain tighter control over projects and conduct research more quickly. and cheaply. The Litigation Support Center will aid clients in trademark and copyright infringement cases, advertising-claim substantiation and antitrust work. The Qualitative Research Center's four focus group moderators will offer clients interviewing and focus group services. The company says it grew 68 percent during the two-year period in which the centers were developed. For more information, call 310-553-0550.

I

Metromail Corp., Lombard, IIL, a wholly owned subsidiary of R.R. Donnelley & Sons Co., has acquired the assets of Customer Insight Co. Inc., a provider of marketing database products and services for PCs. CIC employs 85 people at its Denver facility. According to the new parent company, CIC had 1993 earnings of approximately \$10 million. Metromail will maintain CIC's Denver facility and staff, and the wholly owned subsidiary will continue to operate under the same name. CIC President Tery Larrew and his management team will report to Metromail National Marketing Division President Majorie Lucchetti. Terms of the acquisition were not disclosed.

Roper Starch Worldwide, New York, has acquired the Crosslev Snrveys division of Westat Inc., Rockville, Md. Roper Starch expects the purchase to help it expand its services in a number of areas, particularly the health care sector. Crossley, which was founded in 1926, produces an annual syndicated study of diabetes patients in the United States. During the past year, the company extended the study to Canada and Western Europe, and demand exists for further expansion, according to Roper Starch. Terms of the purchase were not disclosed.

Atlanta-based Jackson Associates Inc. has opened a Washington, D.C., mall/focus facility. The new Jackson outpost includes a focus room with client viewing and a private lounge, three private interviewing rooms and a full kitchen with adjacent taste test center. The office opened October 1 for mall intercept work, and later in the month, it will host focus groups, prerecruits and executive and local studies. Call Margaret Hicks or Marisa Pope at 404-394-8700 for more information.



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8 Griffin Road North Windsor, CT 06095 Ph. 203-688-8821 Contact: Gerald M. O'Connor

Analysis Research Limited 4655 Ruffner St., Ste. 180

4053 hulliner 3L, Ste. 160 San Diego, CA 92111 Ph. 619-268-4800 Contact: Arline M. Lowenthal All Qual. Needs: Eng. & Span. Reoruit Moderate Analysis.

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Auto Pacific Group, Inc. 12812 Panorama View Santa Ana, CA 92705-1340 Ph. 714-838-4234 Contact: George Peterson Auto Marketing & Product Experts. 700+ Groups Moderate & Recruit.

BAI

580 White Plains Rd, Tarrytown, NY 10591 Ph. 914-332-5300 Contact: Kate Permut Innovative & Standard Approaches To Oual. Research.

George I. Balch

635 S. Kenilworth Ave. Oak Park. IL 60304 Ph. 708-383-5570 Contact: George Balch Experience With Advertisers, Agencies, Government.

Brand Consulting Group

17117 W. Nine Mile Rd.:Ste. 1020 Southfield, MI 48075 Ph. 313-559-2100 Contact: Milton Brand Consumer, Adventising Strategy, New Product Strategy Research.

Catherine Bryant & Associates

6000 Market Square, Ste. 22 Clemmons, NC 27012 Ph. 910-766-8966 Contact: Kathy Kennedy Full Service Research Marketing, Stateof-the-Art Facilities.

Cambridge Research, Inc. 5831 Cedar Lake Rd.

St. Louis Park, MN 55416 Ph. 612-525-2011 Contact: Dale Longfellow High Tech, Executives, Bus. To-Bus., Ag., Specifying Engineers. Campos Market Research 216 Blvd. of the Allies Pittsburgh, PA 15222 Ph. 412-471-6484 Contact: R. Yvonne Campos Experience With Consumers and Business-to-Business Groups.

Michael Carraher Discovery Research

204 Dupont St. Philadelphia, PA 19127 Ph, 215-487-2061 Contact: M. Carraher Discovering What Is & How To Create Desired Change.

Chamberlain Research Consultants

4801 Forest Run Rd., #101 Madison, WI 53704 Ph. 608-246-3010 Contact: Sharon Chamberlain Full-Service Marketing Research/Business & Consumer Studies.

The Clowes Partnership

P.O. Box 791 South Norwalk, CT 06856 Ph. 203-855-8751 Contact: Rusty Clowes New Product/Advertising/All Ages/ Focus & Mini Groups.

Communications Workshop, Inc.

168 N. Michigan Ave. Chicago, IL 60601 Ph. 312-263-7551 Contact: Lisa J. Hougsted Consumer, Executive. Technical & Children Grps.

Consumer Industrial Research

Service (CIR) P.O. Box 206 Chadds Ford, PA 19317 Ph. 610-565-6222 Contact: Gene Rullo Agriculture, Business-To-Business, Health Care.

Consumer Opinion Services

12825-1st Ave. South Seattle, WA 98168 Ph. 206-241-6050 Contact: Jerry Carter Consumer, Business Groups and One-On-Ones.

Creative & Response Svces., Inc.

500 N. Michigan Ave., 12th Fl. Chicago, IL 60611 Ph. 312-828-9200 Contact: Sanford Adams Thirty Years of Leadership in Qualitative Research.

Cunninghis Associates

6400 Flotilla Dr., #56 Holmes Beach, FL 34217 Ph. 813-778-7050 Contact: Burt Cunninghis 37 Years Exp., Moderator & Moderator Training. Data & Management Counsel, Inc. P.O. Box 1609 / 608 Chadds Ford Dr. Chadds Ford, PA 19317 Ph. 610-388-1500 Contact: Bill Ziff-Levine Extensive Experience In Domestic & International Qualitative Research.

The Davon Group

10 W. Broad St. Columbus, OH 43215 Ph. 614-222-2548 Contact: Barry J. Mastrine Specialize in Focus Groups and Executive Interviews.

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A Station Sq., 4th fl. Pittsburgh, PA 15219 Ph. 412-394-3626 Contact: Tara Hill Bus.-To-Bus./Consumer/Recruit/Moderate/Report.

Dolobowsky Qual. Svcs., Inc.

94 Lincoln St. Waltham, MA 02154 Ph. 617-647-0872 Contact: Reva Dolobowsky Experts In Ideation & Focus Groups: Formerly with Synectics.

Doyle Research Associates, Inc.

919 N. Michigan:Ste. 3208 Chicago, IL 60611 Ph. 312-944-4848 Contact: Kathleen M. Doyle Specialty: Children/Teenagers Concept & Product Evaluations.

D R S HealthCare Consultants

3127 Eastway Dr., Ste. 105 Charlotte, NC 28205 Ph. 704-532-5856 Contact: Dr. Murray Simon Specialists in Research with Providers & Patients.

Ebony Marketing Research, Inc.

2100 Bartow Ave. Baychester Bronx, NY 10475 Ph. 718-217-0842 Contact: Ebony Kirkland Spac. Conf./Viewing Rooms/Client Lounge/Quality Recruiting.

Elrick and Lavidge

1990 Lakeside Parkway Tucker, GA 30084 Ph. 404-621-7600 Contact: Carla Collis Full-Service National Capability

Erlich Transcultural Consultants 21241 Ventura Blvd., Ste. 193 Woodland Hills, CA 91364 Ph. 818-226-1333 Contact: Dr. Andrew Erlich Full Service Latino and Asian Marketing Research.

Fader, William & Associates

372 Central Park W., Ste. 2W New York, NY 10025 Ph. 212-749-3986 Contact: Susan Fader Exper./Focus Groups/1-On-1s/In Broad Range Of Cat.

Find/SVP

625 Avenue of the Americas New York. NY 10011-2002 Ph. 212-645-4500 x208 Contact: Ann Middleman Mktg. Consulting & Rsch. Health Care, Telecomm., & Technology

First Market Research Corp.

2301 Hancock Drive Austin, TX 78756 Ph. 800-FIRST-TX (347-7889) Contact: James R. Heiman High Tech, Publishing, Bus.-To-Bus., Colleges.

First Market Research Corp.

121 Beach St. Boston, MA 02111 Ph. 617-482-9080 Contact: Linda M. Lynch New Product Development, Health Care, Advertising, Retail.

First Market Research Corp.

121 Beach St. Boston, MA 02111 Ph. 617-482-9080 Contact: Jack Reynolds Business To Business, Executives, Banking.

Anne Flanz Custom Marketing Rsch.

343 Maple Avenue Glen Ellyn, IL 60137 Ph. 708-469-1092 Contact: Anne Flanz 20 Yrs. Exp., Consumer/Business/Advertising Rsch.

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79 5th Avenue New York, NY 10003 Ph. 212-675-0142 Contact: Elizabeth Lobrano Impeccable Cons. & B-B Recruiting Beautiful Facilities.

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5863 Scott Ian Ct. Indianapolis, IN 46254 Ph. 317-291-5416 Contact: Kristin Geipel Customer Advisory Boards, Service Improvement.

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907 Monument Park Cir., Ste. 203 Salt Lake City, UT 84108 Ph. 801-582-9917 Contact: Bill Sartain 30+ yrs, Exp.: 2500+ Groups with U.S. & International Goods & Serv. Freeman, Sullivan & Co.

131 Steuart St., Ste. 500 San Francisco. CA 94105 Ph. 415-777-0707 Contact: Martha Wilson Research Design, Recruitment. Facilitation and Reporting.

Grieco Research Group, Inc.

850 Colorado Blvd., Ste. 203C Los Angeles, CA 90041 Ph. 213-254-1991 Contact: Joe Grieco Marketing and Advertising Focus Groups.

Groups Plus

23 Hubbard Road Wilton, CT 06897 Ph. 203-834-1126 Contact: Thomas L. Greenbaum Groups Plus Offers Unique Approach To Groups; Call to Find Out Why.

Hammer Marketing Resources

179 Inverness Rd. Severna Pk. (Balt./D.C.), MD 21146 Ph. 410-544-9191 Contact: Bill Hammer 23 Years Experience - Consumer, Business & Executive.

Pat Henry Market Research, Inc. 230 Huron Rd. N.W., Ste. 100.43

Cleveland, OH 44113 Ph. 216-621-3831 Contact: Judith Hominy Luxurious Focus Group Facility, Expert Recruiting.

Hispanic Market Connections, Inc.

5150 El Camino Real, Ste. D-11 Los Altos, CA 94022 Ph. 415-965-3859 Contact: M. Isabel Valdes Foc. Grps.. Door-to-Door, Tel. Studies, Ethnographies.

Hispanic Marketing

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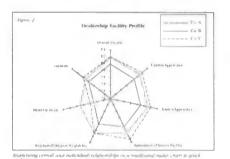
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Radar charts

continued from p. 10

ences are meaningful. Radar charts can be modified to illustrate significant dif-



ferences between competitors. By plotting the results of two-sample z-tests and incorporating the confidence level into the radar chart, the reader can determine where significant differences occur between manufacturers.

For example, the modified radar chart in Figure 3 shows differences between Company A and its domestic competitors. Company A is represented by the shaded band, which is a 90% confidence level (see key in Figure 3). Points that lie on the band are not statistically different from Company A. Points inside the band represent attribute scores that are significantly worse, whereas points outside the band represent scores that are significantly better than Company A's.

From the radar chart in Figure 3, the

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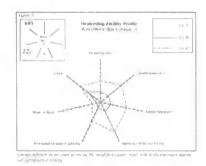
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reader can quickly conclude the following:

 Company B is significantly worse than Company A for every attribute measuring dealership facility, especially



availability of model in stock.

• Company C is rated significantly better than Company A for several of the dealership attributes. Company C has the largest advantage for appearance of service facility, but is disadvantaged for model in stock. Company A and Company C earn comparable ratings for overall facility and availability of brochures.

Other considerations

Because z-scores are plotted on the modified radar chart, care must be taken when interpreting the values on the chart The points plotted reflect the difference between the competitor and Company A; they do not represent the actual satisfaction scores of that competitor. For

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example, in Figure 3 Company B's largest plotted value is for location. Because this Company B data point is closest to the significance band, it implies that the smallest difference between Company A and Company B occurs for location, not that Company B dealerships received the highest score for this attribute,

Conclusions about significant differences can only be drawn regarding the company being profiled, i.e., Company A. For example, in Figure 3 Company C and Company B are significantly worse than Company A for model in stock. Although it appears from Figure 3 that Company C has a higher satisfaction score for model in stock than Company B, it cannot be determined from the chart if this difference is significant. Providing additional charts in which competitors are compared can resolve this situation.

Conclusions

Radar charts are a simple but effective device for presenting complicated data and plotting significance. They are particularly useful when comparing competitors or subgroups on a series of related attributes. Besides customer satisfaction studies, modified radar charts can be effectively used to show significant differences in image, product, and corporate evaluations.





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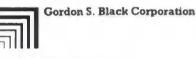
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Bay Area Research 9936 Liberty Rd. Randallstown, MD 21133 Ph. 410-922-6600 Tamara Zwingelberg, President

Better Marketing Associates, Inc. P.O. Box 190 Oaks, PA 19456 Ph. 800-355-5040 Peter Thorwarth, President



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(See advertisement on p. 57)

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Bruskin/Goldring Research 100 Metroplex Dr. Edison, NJ 08817 Ph. 908-572-7300 Richard B. Hare, President



Marketing Research

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Burke CSA is one of the world's leading practitioners of customer satisfaction measurement and business management, offering national and international reach. Its experienced consultants partner with clients not only to provide expert, actionable customer satisfaction measurement, but also to analyze data and manage improvement efforts. Burke CSA's approach helps companies secure customers from defection and enjoy increased productivity and profitability. (See advertisement on p. 58)

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Business Dynamics, Inc. 2600 Eagan Woods Dr., Ste. 80 Eagan, MN 55121 Ph. 612-452-8632 Gayle Kaplan, Practice Leader-Marketing Effectiveness Practice

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(See advertisement on p. 57)

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Check Metrix, Inc. 500 N. Michigan Ave., 12th fl. Chicago, IL 60611 Ph. 312-828-9200 Stephen Turner, President

Chesapeake Surveys 4 Park Center Ct., Ste. 100 Owings Mills, MD 21117 Ph. 410-356-3566 Elizabeth Beirne, Field Director Chilton Research Services 201 King of Prussia Rd., third fl. Radnor, PA 19089-0193 Ph. 610-964-4602 Marjorie Michitti, Sr. V.P. & Gen. Mgr.

Consumer Contact Ltd. 2450 Victoria Park Ave. Willowdale, ON M2J 4A2 Ph. 416-493-6111 Don Ambrose, President

Creative & Response Research Service 500 N. Michigan Ave., 12th fl. Chicago, IL 60611 Ph. 312-828-9200 Chris de Braun, Exec. V.P. Creative Research Systems 140 Vista View Place. Ste. 100 Petaluma. CA 94928-4728 Ph. 707-765-1001 Lisa Bacon. Vice President Sales

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Data Recognition Corporation provides custom survey processing services to include project management, questionnaire layout, printing, variable intelligent pringting, material distribution/mailing, collection, optical and IMAGE scanning, key entry, programming, reporting, statistical analysis and verbatim comment typing and coding to the business, government and education markets.

(See advertisement on p. 43)

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That's why E&L's customer satisfaction program is more than just a survey. We apply our interpretive skills to translate raw data into usable knowledge. and knowledge into a framework for action In doing so, customer satisfaction measurement takes on a whole new role as the cornerstone of a continuous improvement process aimed at building your business to new heights.

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GLS Research 3 Embarcadero Ctr., Ste. 2210 San Francisco, CA 94111 Ph. 415-394-7085 Gary Stieger, President

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Hancock Information Group 2180 West S.R. 434. Ste. 3170 Orlando. FL 32779 Ph. 407-682-1556 Lori A. Sprague, Vice President, Operations

Harte-Hanks Market Research 65 Rte. 4 E. River Edge, NJ 07661 Ph. 201-342-6400 Harry Seymour

HBRS, Inc. 455 Science Dr Madison, WI 53711 Ph. 608-232-2800 Kent D. Van Liere, President

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(See advertisements on pp. 31, 33, 35)

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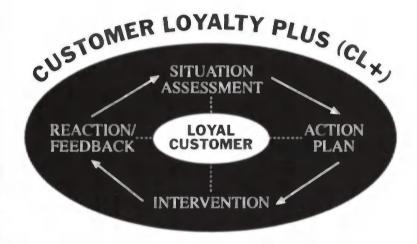
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Implementation Research Associates Box 237 Yardley, PA 19067 Ph. 215-295-6726 Dr. William Strahle, Managing Partner Ingram Research, Inc. OS125 Church St. P.O. Box 175 Winfield, IL 60190 Ph. 708-462-0402 Roland G. Ingram, President

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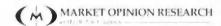
(See advertisement on p. 65)

Management Marketing Associates, Inc. 3635 S.W. 87th St., Ste. 18 Portland, OR 97225-2838 Ph. 503-297-0511 Donald T. Jacobson CMC



Maritz Marketing Research, Inc. 1297 N. Highway Dr. Fenton, MO 63099 Ph. 800-446-1690 or 314-827-1610 Phil Wiseman, Director, Marketing Services

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Probe Research. Inc. Dallas, Texas (See advertisement on p. 68)

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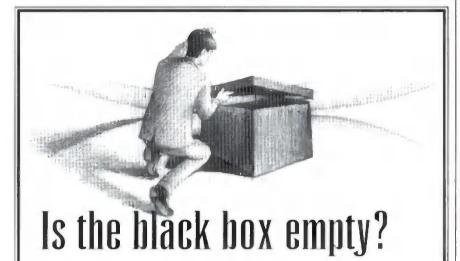


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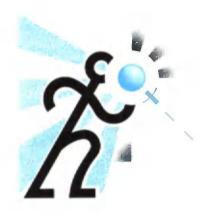
(See advertisement on p. 66)

Prince Marketing 2323 Hillsboro Rd., Ste. 500 Nashville, TN 37212 Ph. 800-788-7728 Dan Prince, President

PRQJECTIQNS INC. Marketing Rsch. & Counsel 47 Mariboro St. Keene, NH 03431 Ph. 603-352-9500 Michael Kenyon, President

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Shugoll Research 7475 Wisconsin Ave., Ste. 200 Bethesda, MD 20814 Ph. 301-656-0310 Merrill Shugoll, Exec. Vice President

Southeastern Institute of Research 2325 W Broad St Richmond, VA 23220 Ph. 800-807-8981 Robert M. Miller, President

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Pamela J. Borders is founder and president of Service Strategies International, offering specialized Customer Satisfaction Research, Employee Satisfaction Research and Focus Groups to a variety of clients, including Fortune 500 companies. For more information, contact her at 1-800-344-6069

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(See advertisement on p. 74)

Turtle Bay Institute, Inc. 211 E. 51st St., Ste. 11C New York, NY 10022 Ph. 212-308-8830 Robert S. Weekley, President

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Widener Burrows & Associates 130 Holiday Ct., Ste. 108 Annapolis, MD 21401 Ph. 410-266-5343 Dawne Widener-Burrows, President

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Listing Additions

Please note the following corrections to the 1994-95 Researcher SourceBook:

On page 132, the "see advertisement" references beneath the Performance Plus. Inc. listings should read "See advertisement on p. 257."

In the advertisement for Ebony Marketing Research on page 175, the phone number should read 718-217-0842.

Please add the following firms to the 1994 Telephone Interviewing Facilities Directory:

The Blackstone Group 360 N. Michigan Ave. Chicago, IL 60601 Ashref Hashim Ph. 312-419-0400 Fax 312-419-8419 60-60-60-60

The Center for Research and Public Policy 35 Elm St. New Haven, CT 06510 Jerry C. Lindsley Ph. 203-776-9222 Fax 203-777-1807 25-25-25-0

The Center for Research and Public Policy 2000 W. Loop So., 16th fl. Houston, TX 77027 Jerry C. Lindsley Ph. 203-776-9222 Fax 203-777-1807 25-25-25-0

Marketing Resource Group, Inc. 225 S. Washington Sq. Lansing, MI 48933 Paul King Ph. 517-372-4400 Fax 517-372-4045 25-0-25-0

Ouantum Research Services Inc. 1830 17th St. Boulder, CO 80304 Andrew Smith Ph. 303-786-9500 37-30-37-37

Please add the following firms to the 1994 Directory of Syndicated Omnibus Studies

Health Focus, Inc. 4108 Oak Forest Dr. Des Moines, IA 50312 Ph. 515-274-1307 Fax 515-274-3117 Contact: Linda Gilbert Healthfocus Survey of U.S. Consumer Healthy Food Trends (S)

Northwest Research Group, Inc. 400 108th Ave. N.E., Ste. 200 Bellevue, WA 98004 Ph. 206-635-7481 Fax 206-635-7482 Contact: Ellen Colvin SoundStats (O)

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West Coast: Lane Weiss, Lane Weiss & Associates, 10 Black Log Rd., Kentfield, CA 94904, Phone: 415-461-1404, Fax: 415-461-9555

U.S. POSTAL SERVICE Required by 39 U.S.C 3685 STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION 1 Title of Publication: Quirk's Marketing Research Review. 2. Publication No.: 08937451. 3. Date of Filing: Sept. 28, 1994. 4. Frequency of Issue: Jan., Feb., Mar., Apr., May, June/July, Aug./Sept., Oct., Nov., Dec. 5. No. of Issues Published Annually: 10. 6. Annual Subscription Price: None and \$50.00. 7. Complete Mailing Address of Known Office of Publication: 6607-18th Avenue South, Richfield, MN 55423-2737. 8. Complete Mailing Address of the Headquarters of General Business Offices of the Publisher: 6607-18th Avenue South, Richfield, MN 55423-2737. 9. Full Names and Complete Mailing Address of Publisher. Editor. and Managing Editor. Publisher: Quentin T. Quirk, 6607-18th Avenue South, Richfield, MN 55423-2737; Editor: Joseph Rydholm, 6607-18th Avenue South, Richfield, MN 55423-2737. Managing Editor: Not Applicable; 10. Owner: Quirk Enterprises, Inc., 6607-18th Avenue South, Richfield, MN 55423-2737; Stockholder: Quentin T, Quirk, 6607-18th Avenue South, Richfield, MN 55423-2737. 11. Known Bondholders, Mortgagees, and Other Security Holders Owning 1 Percent or More of Total Amount of Bonds. Mortgages or Other Securities: Quentin T. Ouirk, 6607-18th Avenue South, Richfield, MN 55423-2737. 12. For Completion by Nonprofit Organizations Authorized to Mail at Special Rates: Not Applicable. 13. Publication Name: Quirk's Marketing Research Review 14. Issue Date for Circulation Data Below: August/September 1994. 15. Extent and Nature of Circulation: Average No. Copies Each Issue During Preceding 12 Months: A. Total No. Copies (Net Press Run): 15,940. B1. Paid or Requested Circulation: Sales (Through Dealers and Carriers, Street Vendors and Counter Sales): None. B2. Paid and or Requested Mail Subscriptions Include advertisers' Proof Copies/ Exchange Copies: 11,712. C. Total Paid and or Requested Circulation: 11,712. D. Free Distribution by Mail. Carrier or Other Means Samples, Complimentary and Other Free Copies: 3,871. E. Free Distribution Outside the Mail (Carriers or Other Means): None. F. Total Free Distribution: 3,871. G. Total Distribution: 15,583. H1. Copies Not Distributed (Office Use/Leftovers, Spoiled: 357. H2. Return From News Agents: None I. Total: 15,940. Percent Paid and or Requested Circulation: 75.1% Actual No. Copies of Single Issue Published Nearest to Filing Date. A.16,700; B1.None; B2.11,825; C.11.825; D.4,181; E.None; F.4,181; G.16,006; H1.694; H2.None; I.16,700; Percent Paid and/or Requested Circulation: 73.8%. I certify that the statements made by me above are correct and complete: Quentin T. Quirk, Publisher.

Trade Talk

continued from p. 78

percent) and estheticians/dermatologists (26 percent) were the most influential sources of advice. Advertising's poor showing proves that something is wrong with the way marketers are communicating, Zuckerman says. "Advertising of a different kind is needed. It has to be more factual and believable. Companies should let the women try the product through samples so they can see the benefits. Don't just sell them hope."

• Eighty percent of those surveyed say they are eating less fat, more fruits and vegetables, less protein and less sugar. Eighty-five percent say they read nutrition labels.

• Over half (59 percent) of the respondents work fulltime; 33 percent own their own business; 35 percent said that most of their day is spent caring for their home and family.

· Eighty-five percent reported skin care problems.

• The three most important factors that influence a woman to stay with a cosmetic or skin care product or brand are performance (31 percent), reliability (24 percent) and safety (22 percent).

• Nearly three-quarters of the panel said they colored their hair. Ninety-six percent said the appearance of their hair was very important.

• Citing a lack of time, only 31 percent belong to a health club. Forty-five percent have been to a spa at least once.

Marketing opportunities

The survey points up marketing opportunities for companies other than cosmetics makers; shoe makers, for example. Half of the panelists said they now wear lowerheeled shoes. ("An awful lot of older women wear sneakers because they no longer want to wear heels," Zuckerman says.) Forty percent reported changes in their feet (dryness, bunions, soreness) yet only 20 percent were doing something about the changes. They may have specific needs in orthopedic shoes, but don't want to wear shoes that aren't attractive, Zuckerman says.

In general, service providers have to learn that aging baby boomers will need more patience and explanation when it comes to choosing product and services.

Despite the size and potential of the market, cosmetic manufacturers aren't rushing to introduce product lines tailored to older women, Zuckerman says. "As it becomes clear that it will benefit them financially to cater to this group, more of them will do so. But very few companies want to be the first. They want to wait and make sure that they will make money before they get into it. But I don't think companies can afford not to do something."

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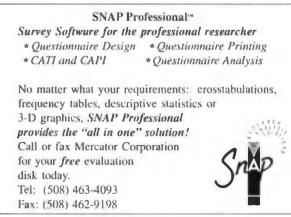


By Joseph Rydholm/QMRR editor

A more than cosmetic change

s a veteran of the cosmetics industry, Gabriella Zuckerman puts her experience to work every day. Zuckerman is president of Gabriella Z Ltd., a New York City consulting firm that identifies and develops new product opportunities for cosmetic and personal care companies. She's a cosmetic chemist who's steered worldwide new product development for Revlon and worked for other top cosmetic firms. But it was her experience as a consumer that spurred her to do a bit of research this past summer.

After she and other staff members realized that most cosmetic companies were ignoring a potentially lucrative market segment — women over age 45 — her firm decided to conduct the first installment of an ongoing study of the beauty, health and personal care needs of women 45-65 years of age. "I have a number of consultants working with me and it happens that three of us are between the ages of 45-53. It was apparent from our experience that this age group wasn't being serviced," Zuckerman says.



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The firm mailed ten-page questionnaires to 350 affluent women in major metropolitan areas in May and June of this year. To understand how the women were dealing with the physical and emotional effects of aging, the survey included questions on their health and lifestyle and their purchasing habits and product needs in skin care and color cosmetics, fragrance, hair care, hand/foot care and eye care.

(Zuckerman acknowledges that the findings aren't projectable but nevertheless says that the opinions of this segment are valuable because new developments in the cosmetic product category have frequently started with upper-income women who can afford to pay special attention to their skin.)

Leading edge

Zuckerman sought the opinions of these women because they represent the leading edge in understanding the effects of changes in their body due to aging. (Sixty-seven percent identified themselves as menopausal or post-menopausal.) They tend to be better informed about the options available to solve their ongoing problems.

"It's always fascinated me that menopause is something that nobody talks about. When I started the survey people said no one would give me answers to menopause-related questions; no one wants to talk about it. But we got more answers on that area than any other in the survey," Zuckerman says.

Some findings:

• Forty percent of the women felt that there weren't products on the market that addressed their aging-related problems.

• When asked what influences their skin care and cosmetic purchases, only nine percent cited advertising. Friends (38

continued on p. 77

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