ignores differences in quality, individual farmer volumes, rBST-free, cooperative seller identity, destination to which the milk is being sold, and supply and demand factors that change over time. All of these factors and others explain the price patterns seen in Figure S4. For example, it is clear from looking at the figure that the prices move commonly up and down over time. This is due to seasonality and the year-on-year changes in supply and demand factors that commonly affect Order 1. Data exists that can be used to account for this variation, both over time and across farmers. Dr. Kalt has not made use of this data.

120. Dr. Kalt states in the text surrounding Figure S.4 that the price dispersion he presents (which I have shown to be small) leads to problems of identifying *causation* between the alleged conspiracy and suppressed prices.[243] He argues, for example, that it is impossible to determine whether price differences between two farmers may be attributable to quality differences in their milk deliveries.[244] However, the payroll data produced in this case explicitly distinguishes premiums for quality. These premiums are paid based upon uniform schedules. As a result, the multivariate analysis can be used to back out quality effects so that a like-for-like comparison can be made between one farmer's milk prices and another.

3. Dr. Kalt's observations on so-called "churning" are based on negligibly small price movements

121. Dr. Kalt presents evidence of what he calls "churning,"[245] which he defines as a "jumble of contradictory and unlike movements that continuously reorder proposed class members' prices from high to low."[246] The technique that Dr. Kalt applies is non-standard, not professionally recognized as a methodology to investigate price variation across time and, ultimately, is uninformative. In his analysis, he investigates the ranking of each farmers' price in

[243] Kalt Expert Report, at p. 8.
[244] Kalt Expert Report, at p. 8.
[245] Kalt Expert Report, Figures S.6, S.7 and S.8.
[246] Kalt Expert Report, at p. 10.

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the distribution of all farmers' prices (i.e. whether it is higher or lower than others). For example, a farmer's price is in the 90th percentile if 90% of farmers have a price lower than his. By focusing on ranking within the distribution, Dr. Kalt once again overlooks the fact that the price differences themselves are quite small.

122. Consider Dr. Kalt's Figure S.6 in which he selects 30 farmers at random and charts their positions in the distribution of farmers' prices. The graph makes it appear that there is huge variation in prices but, [redacted]. Exhibit 15a plots the 30 farmers' prices over time. One farmer's price appears to be recorded in error – [redacted]—a payment based on formula.[247] This is unlikely to be true and [redacted] has thus been treated as an outlier and his prices removed from the following analysis. Dr. Kalt has made no adjustment for outliers, a standard statistical methodology which he has ignored. Exhibit 15b shows that the remaining 29 farmers' [redacted]. Exhibit 15c shows the price each farmer received in January 2003 (blue bar) and the price each farmer received in December 2003 (red bar). [redacted]. The average price change experienced by the farmers between the two months is [redacted]; [redacted]

[247] [redacted]

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in price changes. Finally, Exhibit 15e lists the farmer's prices in January (sorted highest to lowest), farmer's prices in December (again sorted highest to lowest) and the change in prices for each. [redacted].

123. [redacted]. Investigating such differences using the payroll data is not an *individual* analysis – it is an analysis of characteristics common to the entire Class, performed using common data, which makes it possible to systematically measure and factor out the observable differences.

124. Similarly, Dr. Kalt's Figure S.7 [redacted]. The construction of Figure S.7 is complex and what it purports to measure is ultimately not relevant. Dr. Kalt calculates the position of each individual farmer's price in the total distribution of prices for each month of 2003. He then compares the farmer's percentile ranking in each of those 12 months to see how much it has changed over time. Say, for example, that "Farmer A" starts in January 2003 receiving $12 per hundred weight and this puts him in the 95th percentile (i.e., 95% of farmers are receiving a price lower than his).

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Farmer A's price moves up and down in the succeeding months, until by July 2003, it is at $11.50 per hundredweight and is now in the 70th percentile – a movement of 25 percentiles. Dr. Kalt identifies all farmers whose monthly price ranking moves by at least 25 percentiles at any time during 2003 and includes them in the green bars of his Figure S.7 for the first month in which they meet that test. In the case of Farmer A, this would be the month of July 2003. However, Dr. Kalt then continues to count these farmers in each successive month, allowing him to build an impressively scaling bar chart in Figure S.7 which is really nothing more than the result of cumulating.

125. The approach Dr. Kalt has taken obscures the fact that [redacted]

126. Although Dr. Kalt looks at changes in the *ranking* of each farmer's price (i.e., their placement within the overall distribution), he ignores the far more important question of the *size*

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of the price change that these farmers experienced. In order to examine this question, it is necessary to adjust for the seasonal price fluctuations described above, particularly because Dr. Kalt arbitrarily measures each farmer's percentile movement only once, in the first month where it exceeds 25 percentiles. For each of the 995 farmers whom he identifies as examples of "churning", I have computed the difference between the standardized mailbox price they received in each of the two months selected by Dr. Kalt as representing their "low" ranking in the distribution and their "high" ranking in the distribution. I have then subtracted from that difference the change in median prices for all farmers in the payroll data occurring between these same two months. This effectively removes the portion of the individual farmer's price movement which is attributable simply to seasonal fluctuations in the overall market. The results of this analysis are reported in Exhibit 16b. Column A identifies the number of farmers whom Dr. Kalt identifies as examples of churning occurring in that month, based on a movement of 25 or more percentiles. Column B shows the average price change experienced by those farmers, adjusted for the seasonal change in prices. Column C re-computes the average price change for not only the farmers flagged by Dr. Kalt as "churning" in that month, but in all preceding months as well, and thus adopts Dr. Kalt's strategy of cumulation. Finally, Column D reports the median price received by all [redacted] for that same month. As is apparent from this Exhibit, the average price changes that Dr. Kalt relies on to make a finding of "churning" are quite modest, ranging from [redacted] per hundredweight and never exceeding [redacted] of the median price for that month.

127. Dr. Kalt's Figure S.8 is equally misleading. It compares prices received by proposed Class members in Order 1to the average prices paid in Federal Orders 32 and 33, apparently for the purpose of suggesting that these other Orders do not provide a suitable benchmark. However, any such comparison should be made only after controlling for the

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factors that differ between the regions, using the variables described in my Initial Report. Dr. Kalt fails to do. In constructing his Figure S.8, Dr. Kalt counts in each month the number of Class member farmers whose prices move up relative to the Order 32-33 average, and the number whose prices move down in relation to that average. He then graphs the number that moved up, if the majority moved down, and vice versa. As with his Figure 6.7, Dr. Kalt fails to examine the size of the associated price movements and merely tallies their occurrences. Given the failure to adjust for any differences between the regions, this analysis is meaningless. However, in Exhibit 17, I graph the median price changes *in dollars* of those that move up (in blue) and the median price changes *in dollars* of those that move down (in red). [redacted].

4. Differences in the OOPs paid by plants are systematic

128. Dr. Kalt's Figure S.3 presents a map with bars representing the OOPs paid by various processing plants to DMS.[248] Dr. Kalt writes:[249]

> ...the wide differences in OOPs across processors imply that the alleged exercise of monopsony power could not plausibly be effectuated across all proposed class members in a common way. Quite simply, different proposed class members are in different proximity to different plants with different OOPs.

129. The last statement highlights Dr. Kalt's misunderstanding of how milk supply decisions are made and of how milk pricing is set. The location of farmers relative to particular plants within the Order is largely irrelevant; milk sales and deliveries are managed by the cooperatives and DMS in a manner that best meets their particular supply commitments.

[248] Kalt Expert Report, at p. 5.
[249] Kalt Expert Report, at p. 114.

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Further, the fact that OOPs differ across plants does not mean that they were not all suppressed by the conspiracy. Dr. Kalt admits this in his deposition:[250]

> Q. ...can you look at the over order premiums reflected in Figure V.15 A and rule out that all those premiums, over order premiums, were at suppressed levels?
> A. No. You would have to go do the inquiry and look at those locales and their conditions and their localized supply and demand conditions. That's what I point out in my report.

130. The falling tide of the alleged suppression would have lowered all OOPs and, as explained in Section IV.A.1 of this Declaration, impacted all proposed Class members by reducing the common pool of revenue to be divided among them. Dr. Kalt's insistence on examining "localized supply and demand conditions" does not give rise to the need for an individualized inquiry. Instead, these conditions (including differences in characteristics such as population density, number of proximate plants and dairy farms) can be systematically accounted for by using data common to the Class.[251] If Dr. Kalt had performed such an examination, he would have discovered [redacted]. Contrary to Dr. Kalt's assertion and the picture portrayed in his Figures V.16A-D, the OOPs [redacted]. This can be demonstrated by a regression analysis of OOPs against indicator variables for each plant. The results of this analysis, presented in Exhibit 18a,[252] [redacted][253]

[250] Kalt Deposition, at p. 124:18-125:7.
[251] Kalt Deposition, at p. 121:17-122:2: "Q. And have you examined how much of a variation in over order premiums that you see in this figure across the plants is explained by differences in the characteristics of the population in the area surrounding the different plants? A. I've examined it as a general matter. I know there are differences."
[252] An indicator variable for a specific plant takes the value one for observations that relate to that plant and zero otherwise.
[253] The R-squared is explained in section IV.C.1

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131. [redacted] [254] This is a further demonstration that [redacted], and that it is [redacted] that plants are concerned with. The fact that [redacted], is consistent with economic logic. The regulations in Order 1 add a location adjustment that is different depending on the location of the plant. The spatial integration of prices may tend to undo the desired effect of this regulation with the OOP offsetting the location adjustment so that total price is consistent across the Order. Exhibits 18b-e displays four bar charts that represent the total prices paid for each of the four milk Classes (I-IV) based upon the DMS April 2010 Invoice Summary that Dr. Kalt himself uses. Each bar represents the total price invoiced by DMS at a separate plant and, with few exceptions, these prices are relatively uniform.

132. In sum, the fact [redacted] plants does not hinder either the investigation of common impact or the calculation of damages, given that [redacted] and can be accounted for in a common analysis. Furthermore, [redacted], consistent with common pricing for milk in Order 1.

5. *Dr. Kalt's "competitive premium" is arbitrarily constructed and the variation of this variable within a county has no bearing on common impact*

133. As discussed in Section III.E.1, Dr. Kalt has created an arbitrary variable that he calls the "competitive premium." It is clear from the list of premiums he includes that some components of his "competitive premium" are not explicitly market-driven and that he has chosen different elements of price from different cooperatives, thus creating the false impression of variation.[255] Given that the OOP is pooled with other milk revenue before distribution to

[254] For this analysis, I have included all of the components of plants pricing above the federal minimum, in keeping with the correct definition of the Over Order Premium.
[255] See detailed discussion at Section III.E.1.

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farmers in their milk checks, it is not necessary to dissect the price as Dr. Kalt has done. Dr. Kalt compares the "competitive premium" received by farmers located in the same county and finds that they differ. This is neither surprising nor meaningful, given that he has failed to control for the cooperative to which these farmers belong (lumping them together instead) and yet he has differently constructed the "competitive premium" for each cooperative. The comparison, which is presented as another scatter plot at Dr. Kalt's Figure S.5, is further misleading because it reports variation as the dollar difference from the county average, rather than as a percentage difference. As a result, counties where premiums tend to be large on average will appear to have bigger variation than counties where premiums tend to be small on average, even though in percentage terms the variation in the two counties may be virtually identical.

C. Regression analysis can control for the common factors that determine pricing

134. Although Dr. Kalt has largely failed to perform multivariate analysis, it is plainly feasible to do so in this case. Multivariate regression analysis is the standard econometric tool used by professional economists and is widely used in antitrust cases.[256] The analysis allows an account to be made of any variation in prices due to factors that are common to all transactions. For example, the price a farmer receives for his milk depends in part on its butterfat content. Thus butterfat content is a common factor – i.e., it is a price factor that is common to all milk transactions, even though its numerical value may be different for each one. Similarly, the demand for milk is a common factor in that it affects the prices of all milk sales. The numerical value of that demand factor may change from one month to the next, but the fact that demand influences prices is common to the industry and therefore the Class. A regression analysis

[256] Nieberding, J. "Estimating Overcharges in Antitrust Cases Using a Reduced-Form Approach: Methods and Issues," *Journal of Applied Economics*, Vol. IX, No. 2, Nov. 2006. The most commonly used damages method in antitrust litigation is one that uses reduced form regressions similar to those presented here, as noted by Baker, J. and Rubinfeld, D. "Empirical Methods in Antitrust Litigation: Review and Critique," *American Law and Economics Association*, 1999, at p. 391.

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enables a study of impact and damages that first accounts for the influence of these common factors on prices, so that the effect of the alleged conspiracy can be isolated.

1. Common factors analysis

135. In response to Dr. Kalt's report, I have performed a regression analysis on the farmer payroll data that has been produced in this case in order to demonstrate that these common factors predominate in the pricing of milk in Order 1. Covering the time period from 2002 to 2010 and using around 530,000 data points, each one corresponding to a farmer's monthly milk deliveries, I have separately investigated the common factor regressions for four different price variables. The four variables are: (i) the gross price; (ii) the mailbox price (which is the gross price minus deductions made by the cooperative for haulage and so on); (iii) the standardized gross price (which standardizes farmer's milk to the same percentage of butterfat, protein and other solids); and, (iv) the standardized mailbox price (which again standardizes farmer's milk to the same percentage of butterfat, protein and other solids). The results of the model are listed and described in detail in Exhibit 19. I have applied the same multivariate economic model to attempt to explain individual variation for each of these four prices, except that, when dealing with the two standardized prices, the model disregards the farmer's component percentages, since this adjustment has already been made. The common factors included in the model for the non-standardized prices include:

- Indicators of farm size in terms of total production (to capture the volume incentives in milk pricing);
- Input costs due to alfalfa hay and diesel;
- Butterfat, protein and other solids percentages of the farmer's milk;

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- Demand variables, such as State population, proportion of that population under the age of 19 (as more milk is consumed by children) and State per capita income;
- The Class I Utilization Rate;
- Indications of whether or not the farmer produces organic or rBST-free milk;
- The Natural Agricultural Statistics Service reported prices for butter, cheese, dry whey and non-fat dry milk prices, which are used to set Class milk prices;
- Cooperative and location indicator variables;
- Seasonality.

136. All of the variables used are readily available in either the farmer payroll data that has been produced in this case or publicly available sources, and are fully described in Exhibit 19. For each of the four prices, the model performs exceedingly well by professional standards. The common factors are, in nearly all cases, statistically significant and have the expected effect on price.[257]

137. An important determinant of the success of the model is its "explanatory power" as measured by the R-squared. The R-squared is reported at the bottom of each of the tables in Exhibit 19. It is a statistical representation of how much of the variation in prices is accounted for (or "explained") by the common factors. The total variation in prices is decomposed into explained variation (represented by the R-squared) and unexplained *random* variation which is present in all markets.[258] The R-squared is simply the ratio of the explained variation to the total

[257] In some rare cases two common factor variables are closely correlated with each other and it is not possible to estimate the effect of each variable on price independently, although the combined effect can be accounted for. This occurrence is known as multicollinearity and has no negative consequences for the validity of the model or the accuracy of its results.

[258] In describing variation as "random," I mean that it is unrelated to the common factors that distinguish one transaction from another or, in the case of a damage model, is unrelated to the conspiracy.

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variation.[259] An R-squared of 100% would thus mean that the common fact as taken from the data perfectly explained *all* variation in the individual prices reported for farmers in each month. The R-squared values for the regressions I have performed range from 89% to 94%. This is considered very high level of explanatory power by professional standards.[260]

138. In sum, the professionally accepted method to investigate variation in pricing is to perform a multivariate regression analysis—something that Dr. Kalt has failed to do. As expected for such a homogenous good as milk, in an industry with uniform pricing regulations, the vast majority of variation in prices can be accounted for using available data. This leads to three conclusions. First, prices paid to individual farmers are linked to each other in a predictable and systematic way that would be true with or without the alleged conspiracy. Second, because any individual variation in prices is explainable by a common set of factors that can be observed in the data, impact can be analyzed on a common basis. Third, the data is robust and is sufficient for the purposes of damage calculation.

2. Dr. Kalt's only attempt at a multivariate analysis uses a nonsensical model

139. Dr. Kalt conducted an analysis of the variance of competitive premiums[261] in an attempt to support his claim that "[t]he differential changes causing this churning cannot be explained through common evidence."[262] This procedure is commonly referred to as ANOVA

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[259] Added to the ratio of the unexplained variation to the total variation it will sum to one or, equivalently, 100%.

[260] The R-squareds of many multivariate regressions cited in economic and litigation research are well below that of my regression models. For example, R-squareds range from 0.039 to 0.258 in the regressions testing hypotheses on market concentration cited by Carter, John R., "Collusion, Efficiency and Antitrust," *Journal of Law and Economics*, Vol.21, No.2, Oct.1978, at p.435-444; for another litigation research on examining employment discrimination reports a series of regressions with R-squared lower than 0.80, see Whiteside and Narayanan, "Reverse Regression, Collinearity, and Employment Discrimination," *Journal of Business & Economic Statistics*, Vol.7, No.3, Jul. 1989, at p.403-406; also, Rubinfeld (2000), at p. 179-227, takes a regression with R-squared of 0.56 as an example explaining the utilization of multiple regressions in antitrust analysis.

[261] According to Kalt, competitive premiums consist of any premium payments to farmers that reflect their unique competitive market place circumstances but are not quality, volume, protein, or rBST-free premiums. Kalt Expert Report, at p. 153, footnote 357.

[262] Kalt Expert Report, at p. 156

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analysis of variation. Dr. Kalt's results appear in his Figure VI.48, which purports to show that common factors only explained [redacted] of the variance of "competitive premiums." However, Dr. Kalt's ANOVA model is mis-specified: it makes no economic sense and the results are misleading. For example, there is no logical reason why butterfat, protein and other solids prices should explain any variation in Dr. Kalt's arbitrarily defined "competitive premium." I have repeated the analysis on a model that makes sense – one which uses the same common factors as Dr. Kalt, but in order to explain the variation in mailbox prices.[263] The results are presented in Exhibit 20. As shown in that exhibit, with this corrected model the common factors are able to explain [redacted] of the variation of mailbox prices class members received.[264]

140. In summary, consistent with my common factor regressions, a corrected ANOVA analysis demonstrate that the vast majority of the variation in prices Class members received can be explained by common evidence (or common factors), which in turn shows that common evidence can be used to identify and quantify the harm experienced by the Class as a whole.

D. Dr. Kalt's observation on production patterns is simplistic and economically incorrect

141. Dr. Kalt observes that production patterns differ across counties in Order 1 during the class period – with some counties deceasing production and others increasing. He asserts that because economics predicts a monopsony will reduce production, this pattern means that the monopsony cannot be proven through common evidence.[265] His analysis is incorrect, as it fails to account for the many determinants of production that are unrelated to the conspiracy and

[263] Note that because the mailbox price includes a PPD element, we excluded the variable relating to the USDA published PPD from the common factors to be conservative.
[264] Note that standardized component rate shares the same component price as the mailbox price and thus it is not surprising to see that standardized component rate explain a substantial portion of mailbox price variation. Even if we removed standardized component price from the common factors, the rest factors were still able to explain 73% of overall variation in mailbox price.
[265] Kalt Expert Report, at p. 113.

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which drive the production patterns he observes. Although, it is true that production will be reduced by monopsony (i.e., production should be lower than it would be absent the anticompetitive conduct) - there are other non-conspiratorial factors which influence production that would lead to the patterns Dr. Kalt observes, and Dr. Kalt has failed to take these into account. Dr. Kalt admits as much in his deposition, stating that production can shrink (or rise) for reasons unrelated to the alleged conspiracy.[266] He also states that even if he had seen a reduction for all counties that he would not have been satisfied with this as common evidence of monopsony. His arbitrary standard is that, in order for monopsony to be proven, he would need to see a *uniform* reduction in output; and by uniform Dr. Kalt means "happening to every member of the class."[267] Such a standard is simplistic and ignores basic economic realities, including the various facts that influence individual farmer production levels, separate and apart from the presence of collusively set prices. These factors would have been the same in the actual and but-for worlds, but account for the fact that the growth or decline in individual farmer production will differ over time.

[266] Kalt Deposition, at p. 173:8-20.
[267] Kalt Deposition, at p. 172:1-9.

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V. OPINION #3. DAMAGES

142. Dr. Kalt has largely chosen to ignore the detailed model specification supplied in my Initial Declaration as a means of calculating class-wide damages. Instead, his opinion that there is no feasible method to quantify such damages is based on two arguments, each of which is invalid. His first argument is essentially that that "there are no common data that can effectively measure each of the dimensions of compensation on a class-wide basis."[268] He argues that this is true because farmers are compensated in a variety of payments for their milk, including patronage refunds that may distribute downstream processing profits for members of vertically integrated cooperatives. However, such data *is* available and has already been produced in this litigation. Patronage refunds can be accounted for, as can processor profits and their extremely small impact on farmers' total compensation. Further, the payroll data is a rich source of information that precisely itemizes how milk payments are calculated for each farmer each month, including formulaic compensation for quality, volume and other milk attributes. This data also records the payments farmers make for haulage and other services provided by the cooperative. Comparable data is available for other Federal Orders which can serve as a regional benchmark of unsuppressed prices in calculating the degree of Order 1 price suppression as explained in my Initial Declaration. As a result, this is not a case where the estimation of damages should fail for lack of adequate data common to the Class.

143. Dr. Kalt's second argument goes to the dispersion in milk prices paid to farmers in Order 1. As previously demonstrated in this Declaration, this dispersion is highly exaggerated by Dr. Kalt. In reality, the prices paid for milk in Order 1 are highly uniform both at the plant level and at the farmer level. This uniformity is consistent with the economics of the milk

[268] Kalt Expert Report, at p. 167.

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industry for three reasons- (i) milk is clearly homogenous; (ii) it is transportable; (iii) regulations are designed to assure a uniform distribution across farmers of the revenue generated from milk pooled on Order 1; and (iv) cooperatives adopt rules providing for the uniform distribution of milk revenues. My analysis (reported in Section IV.B of this Declaration) has used common evidence to prove this uniformity. Further, the common factor analysis presented in section IV.C of this Declaration demonstrates that multivariate regression can be used to account for the vast majority of the small variation that does exist in milk pricing, allowing the effect of the conspiracy to be isolated and quantified. The remaining variation in prices is random, a characteristic of all real world markets and would have been the same in the but-for world. Dr. Kalt's assertion that this price dispersion *may* have been different in the but-for world is simply speculation, unsupported by any empirical analysis or economic logic.

VI. CONCLUSION

144. In conclusion, milk pricing in Order 1 is highly uniform due to both the homogeneous nature of the product and the regulated structure of the industry. The mechanisms for common pooling and distribution of milk revenue across farmers selling to the Order 1 pool means that a suppression of OOPs paid by processing plants would have resulted in lower milk checks to all Class members. Indeed, the industry is characterized by formulaic pricing, and premiums or deductions are assigned based upon schedule, with little or no individual price negotiation. Dr. Kalt's attempts to manufacture individualized price differences are unconvincing, as they rely on non-standard methodologies that exaggerate price dispersion. The small amount of random price dispersion that does exist in Order 1 is common to all real-world markets, and is not an obstacle to a common assessment of class-wide damages using standard econometric techniques. The extensive data available for both Order 1 and the suitable

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geographic benchmarks assure that such a calculation can reliably be performed. Finally, Dr. Kalt's assertions that the alleged actions by the cooperative managers are in some way irrational is economically unsound. The compensation incentives of cooperative managers and their desire to grow and stabilize their own market share are entirely consistent with their alleged misconduct.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct to the best of my knowledge. Executed on June 13, 2011, in Emeryville, California.

Gordon Rausser

Gordon Rausser, Ph.D.

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Exhibit 1

Curriculum Vita of Gordon Rausser, Ph.D.

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University of Chicago

Ph.D., Agricultural and
Resources Economics,
University of California, Davis

AWARDS AND HONORS

Career Achievement Award, College of Natural Resources, University of California, Berkeley, 2010
Selected as Editor of Annual Review of Resource Economics, 2007-2011
California State University, "Award for Top Dog" Alumni of the Year 2009
Business Advisory Board, Mendel Biotechnology, 2008-
Editorial Council, Strategic Behavior and the Environment, Now Publishing
Robert Gordon Sproul Distinguished Professor, University of California, Berkeley, 1986–
College of Natural Resources Citation, University of California, Berkeley, 2004

Galbraith Forum Lecture, 2003

Senior Economic Consultant and Founder, OnPoint Analytics, 2006-2009

Research Fellow and Member of Research Council, Rural Development Research Consortium, University of California, Berkeley, 2002

AAAS, Chair of the Electorate Nominating Committee for the Section on Social, Economic, and Political Sciences, 2001–2002

AAEA Quality of Research Discovery Award, 2001

USDA Secretary of Agriculture Award for outstanding accomplishments in the areas of agricultural public policy research and formulation, 2000

Senior Economic Consultant, Charles River Associates, 2000-2005

Cofounder and Principle, LECG, Inc., 1990–2000

UC Berkeley, Board of Trustees, 1994-2001

AAEA Fellows Address, 1999

Member, Economic Discipline Board, Fulbright Scholarship Awards, 1989–96

WAEA Outstanding Published Research Award ("Price Distorting Compensation Serving the Consumer and Taxpayer Interest"), 1994

Member, Board for International Development Studies, Fletcher School of Law and Diplomacy, Tufts University, 1992–94

Fellow of the American Association for the Advancement of Science, 1993

AAEA Publication of Enduring Quality Award for contributions to environmental economics, statistical decision theory, and natural resource analysis, 1993

AAEA Distinguished Policy Contribution Award for econometric analysis of public policies, 1993

AAEA Outstanding Journal Article Award Finalist ("Productive and Predatory Public Policies: Research Expenditures and Producer Subsidies in Agriculture"), 1992

Editor, *Agricultural Management and Economics*, Springer-Verlag, 1988–92

Fellow of the American Statistical Association, 1991

Agency for International Development, Superior Unit Citation Award, 1990

Fellow of the American Agricultural Economics Association, 1990

Special Recognition, "Outstanding Professional Research Contributions." In Gail L. Cramer and Clarence W. Jones, *Agricultural Economics and Agribusiness*, 3rd edition, John Wiley and Sons, 1990

Chief Economist, Agency for International Development, 1988–1990

AAEA Outstanding Journal Article Award Finalist ("Incomplete Markets and Government Policy"), 1989

Director: AAEA, university, and departmental Outstanding Dissertations Awards (9), 1979–2005

Chairman, Intergovernmental Consultative Group on Indonesia, The Hague, June, 1989

Cofounder and President of the Institute for Policy Reform, Washington, DC, 1989-1994

Founder of the IPR Fellow Program, 1989

Teaching and course materials in agriculture policy selected for publication in *Economics Reading Lists, Courses, Outlines, Exams, Puzzles, and Problems*, compiled by Edward Tower, Duke University, July 1981

Chairman, Berkeley Department of Economics and All Economic Programs Evaluation Committee, 1987–88

Senior Economist, Council of Economic Advisors, 1986–87

AAEA Award for Best Published Research ("Macroeconomic Linkages, Taxes, and Subsidies in the U.S. Agricultural Sector"), 1986

Editor, *American Journal of Agricultural Economics*, 1983–1986

Resident Fellow, Resources for the Future, National Center for Food and Agricultural Policy, 1984–85

Associate Editor, *Journal of Economic Dynamics and Control*, 1978–1982

Associate Book Review Editor, *Journal of the American Statistical Association*, 1974–1982

AAEA Award for Best Journal Article ("Commodity Price Forecasting With Large-Scale Econometric Models and the Futures Markets"), 1982

AAEA Honorable Mention Award for Best Published Research ("Dynamics of Agricultural Systems: Economic Prediction and Control"), 1980

Editorial Board, *American Journal of Agricultural Economics*, 1977–1980

AAEA Outstanding Journal Article Award Finalist ("Active Learning, Control Theory, and Policy"), 1978

WAEA Award for Best Published Research ("Firm Growth Policies Under Different Pollution Abatement, Production, and Financial Structures"), 1978

Faculty Excellence in Teaching Award, Harvard University, 1978

Associate Editor, *Journal of the American Statistical Association*, 1973–1977

AAEA Award for Best Published Research ("Stochastic Control of Environmental Externalities"), 1976

Commissioned by the AAEA to prepare a monograph, "Systems Analysis and Simulation Techniques," 1973

Ford Foundation Visiting Scholar, Argentina, 1972

Highest Honors, Ph.D. Degree, University of California, Davis, 1971
Doctoral Dissertation Award for Best Thesis, University of California, Davis, 1971

Other Awards:
Member of Alpha Zeta; Phi Kappa Phi; Blue Key; National Defense and Education Act Fellowship Grant; Blue Key Award for Outstanding Graduate; Greek Man of the Year Award; Alpha Zeta Alumni Award to the Outstanding Graduating Senior; College Outstanding Leadership Award; Alpha Zeta President; Alpha Gamma Rho President; Agricultural Executive Council President; Senior Class President; Summa Cum Laude.

Listed in:
American Men and Women of Science
Community Leaders of the World
Dictionary of International Biography
Directory of Distinguished Americans
Men of Achievement
Personalities of America
Who's Who in America
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Who's Who in the West
Who's Who in the World
Who's Who Internationally
Who's Who Among Executives and Professionals

EDUCATION

Postdoctoral Fellowship, University of Chicago, Chicago, IL, 1972–73, Departments of Economics and Statistics

Ph.D., University of California, Davis, 1971, Highest Honors, Agricultural Economics

M.S., University of California, Davis, 1968, Highest Honors, Agricultural Economics

B.S., California State University, Fresno, 1965, Summa Cum Laude, Agriculture and Statistics

ACADEMIC AND GOVERNMENT POSITIONS

1986–	Robert Gordon Sproul Distinguished Professor, University of California, Berkeley
1979–85	Professor of Agricultural and Resource Economics, University of California, Berkeley
1994–00	Dean, College of Natural Resources, University of California, Berkeley
1990–94	President, Institute for Policy Reform
1993–94	Chairman, Department of Agricultural and Resource Economics, University of California, Berkeley
1972–93	Visiting Faculty Appointments Hebrew University, Israel (1993)

Australian National University (1987)
Monash University, Australia (1987)
Ben Gurion University, Israel (1980)
Hebrew University, Israel (1978)
University of Illinois (1974)
University of Chicago (1972–73)

1988–90 Chief Economist, Agency for International Development, Washington, DC

1986–87 Special Consultant and Senior Staff Economist, Council of Economic Advisors, Washington, DC

1984–85 Senior Resident Fellow, Resources for the Future, Washington, DC

1979–85 Chairman, Department of Agricultural and Resource Economics, University of California, Berkeley

1982–84 Chairman, Executive Committee, Giannini Foundation, University of California, Berkeley

1975–78 Professor of Managerial Economics and Statistics, Harvard University

1974–75 Professor of Economics and Statistics, Iowa State University

1971–74 Full Professor of Agricultural Economics (offered), University of California, Davis (1974)
Associate Professor of Agricultural Economics, University of California, Davis (1972)
Assistant Professor of Agricultural Economics, University of California, Davis (1971)

FIELDS OF INTEREST

Agricultural economics
Collective decision-making
Futures and options markets
Industrial organization and antitrust analysis
Law and economics
Applied econometrics
Natural resource and environmental economics
Public policy and economic regulation
Quantitative models
Statistical decision theory
Development economics

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Academy of Arts and Sciences
American Academy of Political and Social Science
American Agricultural Economics Association
American Association for the Advancement of Science
American Economics Association
American Statistical Association
Econometric Society
Institute of Management Science
International Agribusiness Management Association
International Agricultural Economics Association
Mathematical Association of America
Operations Research Society
Western Agricultural Economics Association

PATENTS

"Integrated Electronic Exchange of Structured Contracts with Dynamic Risk-Based Transaction Permissioning", April 2010

"Analysis and Methodology for Selecting Capital-efficient Film-asset Portfolios," Provisional Patent Application, May 2006

PUBLICATIONS

Articles in Refereed Journals

"Commodity Booms and Busts" (with Colin Carter and Aaron Smith). Forthcoming in *Annual Review of Resource Economics* 4.

"Optimal Taxation with Joint Production of Agriculture and Rural Amenities" (with G. Casamatta and L.K. Simon). Forthcoming in *Resource and Energy Economics.*

"Political Economy of Food Public Policies: Insights from Distortions to Market Incentives" (with Jo Swinnen and Kym Anderson). Forthcoming in *Journal of Economic Literature.*

"Managing R&D Risk in Renewable Energy: Biofuels vs. Alternate Technologies,"(with Kiran Torani and Reid Stevens). Forthcoming in *AgBioForum.*

"Local Negotiation with Heterogeneous Groundwater Users" (with Susan Stratton Sayre and Leo K. Simon). Forthcoming in *Strategic Behavior and the Environment.*

"Property Rights and Water Transfers: Bargaining Among Multiple Stakeholders" (with Susan Stratton Sayre and Leo K. Simon). Forthcoming in *Strategic Behavior and the Environment.*

"Complementarities and Spillovers in Mergers: An Empirical Investigation Using Patent Data" (with Alan Marco). Forthcoming in *Economics of Innovation and New Technology.*

"Political Institutions, Governance Structures, and Food Policy" (with Johan Swinnen). Forthcoming in *American Journal of Agricultural Economics.*

"Agri-Environmental Programs in the European Union and United States" (with K. Baylis, S. Peplow and L. Simon). *Eurochoices*, forthcoming.

"Interactions between Incentive Instruments: Quality Attributes in Processing Tomatoes" (with Rachael E. Goodhue and Sandeep Mohaptra). *American Journal of Agricultural Economics* 92(5), 1285-1293, 2010.

"Centralized Clearing for Over-the-Counter Derivatives" (with William Balson and Reid Stevens). *Journal of Financial Economic Policy* 2(4), 346-359, 2010.

"Public-Private Partnerships: Goods and the Structure of Contracts" (with Reid Stevens), *Annual Review of Resource Economics* 1, 75-98, 2009.

"Unintended Consequences: The Spillover Effects of Common Property Regulations" (with Marty Kovach, Ryan Stifter and Stephen Hamilton). *Marine Policy,* 33(1), 24-39, 2009.

"The Marginal Willingness-to-Pay for Health Related Food Characteristics" (with Linda Thunstrom). *Food Economics* 5(3), 194-206, 2008.

"Pollution and Land Use: Optimum and Decentralization" (with Richard Arnott and Oded Hochman), *Journal of Urban Economics*, 64(2), 390-407, 2008.

"The Food Price Boom and Bust", (with Colin Carter and Aaron Smith) in *ARE Update* Vol 12 No. 2 (2008), pp. 2-4.

"Agri-Environmental Programs in the EU and United States: A Comparison" (with Kathy Baylis, Stephen Peplow and Leo Simon), *Ecological Economics* 65, 753-764, 2008.

"Ownership and Control in Mexico's Community Forestry Sector" (with C. Antinori). *Economic Development and Cultural Change*, 57(1), 101-136, 2008.

"Public vs. Private Good Research at Land-Grant Universities" (with Leo Simon and Reid Stevens). *Journal of Agricultural and Food Industrial Organization*, 6(2), Article 4, 2008.

"The Role of Patent Rights in Mergers: Consolidation in Plant Biotechnology" (with Alan Marco), *American Journal of Agricultural Economics*, 90 (1), 133–151, 2008.

"Collective Choice and Community Forest Management in Mexico: an Empirical Analysis" (with Camille Antinori), *Journal of Development Studies,* 43(3): 512-536, 2007.

"General Equilibrium in Vertical Market Structures: Overselling versus Overbuying" (with Richard Just), *Research in Law and Economics*, 23: 149-181, 2007.

"Do Incentives for Quality Matter?" (With Corinne Alexander and Rachael E. Goodhue), *Journal of Agricultural and Applied Economics,* 39(1), 1-15, 2007.

"Does Food Processing Contribute to Childhood Obesity Disparities" (with Bo MacInnis), *American Journal of Agricultural Economics*, 87(5): 1154-8, December 2005.

"Including Non-Trade Concerns: The Environment in EU and U.S. Agricultural Policy," (with Kathy Baylis and Leo Simon). *International Journal of Agricultural Resources, Governance and Ecology,* Special Issue on Non-Trade Concerns, 4(3/4):262–276, 2005.

"Estimating Statistical Properties of Political Economic Decisions" (with Diana M. Burton and H. Alan Love), *Applied Economics* 36:1489–1499, 2004

"Public-private Partnerships Needed in Horticultural Research and Development" (with Holly Ameden), *California Agriculture* 58(2):116–119, April–June 2004.

"Value Differentiation" (with Rachael Goodhue), *Journal of Agricultural and Resource Economics* 28(3):375–395, December 2003.

"Agricultural Biotechnology's Complementary Intellectual Assets" (with Gregg Graff and Arthur Small), *Review of Economics and Statistics* 85 (2):349–63, May 2003.

"Stigmatized Asset Value: Is it Temporary or Long-term?" (with Jill J. McCluskey), *Review of Economics and Statistics* 85 (2):276–85, May 2003.

"Hazardous Waste Sites and Housing Appreciation Rates" (with Jill J. McCluskey), *Journal of Environmental Economics and Management* 45:166 76, March 2003.

"Neighborhood Effects and Compensation for Property Value Diminution" (with Jill J. McCluskey and Ray G. Huffaker), *Law & Policy* 24(1):37–50, January 2002.

"Rules, Policy and Rent Seeking: A Cross-border Comparison" (with Kathy Baylis), *Canadian Journal of Agricultural Economics* 49(4):493–504, December 2001.

"A Bargaining Model to Simulate Negotiations Between Water Users" (with S. Thoyer, S. Morardet, P. Rio, L. Simon and R. Goodhue), *Journal of Artificial Societies and Social Simulation* 4(2), March 2001.

"Estimation of Perceived Risk and Its Effect on Property Values" (with Jill J. McCluskey), *Land Economics* 7(1):42–55, February 2001.

"Public-Private Alliances in Biotechnology: Can They Narrow the Knowledge Gaps Between Rich and Poor?" (with Holly Ameden and Leo K. Simon), *Food Policy* 25:499–513, 2000.

"Regulating Multiple Polluters: Deterrence and Liability Allocation" (with Charles Hyde and Leo K. Simon), *International Economic Review* 41(2):495–521, May 2000.

"Valuing Research Leads: Bioprospecting and the Conservation of Genetic Resources" (with Arthur A. Small). *Journal of Political Economy* 108(1):173-206, February 2000.

"Food Import Demand in the Czech Republic" (with Karel Janda and Jill J. McCluskey). *Journal of Agricultural Economics* 51(1):22–44, January 2000.

"The Political Economy of Public Research Investment and Commodity Policies in Agriculture: an Empirical Study" (with Anurag Banerjee, Harry de Gorter, and Jo Swinnen), *Agricultural Economics* 22:111–122, 2000.

"Public/Private Research: Knowledge Assets and Future Scenarios," *American Journal of Agricultural Economics* 81(5):1011–27, 1999.

"Public/Private Alliances," *AgBioForum* 2(1):5–10, Winter 1999.

"Federal Grazing Reform and Avoidable Risk" (with Jill J. McCluskey), *Journal of Agricultural and Resource Economics* 24:140–54, July 1999.

"Privatization, Market Liberalization and Learning in Transition Economies" (with Rachael E. Goodhue and Leo K. Simon), *American Journal of Agricultural Economics* 80(4):724–37, November 1998.

"Information Asymmetries, Uncertainties, and Cleanup Delays at Superfund Sites" (with Leo K. Simon and Jinhua Zhao), *Journal of Environmental Economics and Management* 35(1):48–68, January 1998.

"Central European Agricultural Policy and the EU Accession" (with Rachael E. Goodhue and Jill McCluskey), *Current Politics and Economics of Europe* 7(1):35–47, 1997.

"The Estimation of Hicksian and Expenditure Elasticities of Conditional Demand for Food in Transition Economy 1993–1995" (with Karel Janda), *Central European Journal for Operations Research and Economics*, 5(2):155 171,1997.

"An Economic Evaluation of BWI Custom Kitchens and Indirect Purchaser Classes in Horizontal Price Fixing Cases" (with Greg Adams), *Competition* 6(1):1–41, Summer 1997.

"Flexible Public Policy: The Case of the United States Wheat Sector" (with Alan Love) *Journal of Policy Modeling* 19(2):207–236, April 1997.

"Modelling Multilateral Negotiations: An Application to California Water Policy" (with Gregory D. Adams and Leo K. Simon), *Journal of Economic Behavior and Organization* 30(1):97–111, June 1996.

"A Computable Policy Model of Eastern European Agriculture and the Food Industry" (with Janda, Goodhue, Lyons, and Simon). *Prague Economic Papers* 1, 1996.

"Computable Policy Model of Eastern European Agriculture and the Food Industry" (with Janda, Goodhue, Lyons, and Simon). Prague Economic Papers, *Quarterly Journal of Economic Theory and Policy*, University of Economics, Prague, V (March 96/1), pp. 70–9.

"Flexible Technology and the Cost of Improving Groundwater Quality" (with David Sunding, David Zilberman, and Alan Marco), *Natural Resource Modeling* 9(2):177–92, Spring 1995.

"Governance Structures and the Durability of Reforms: Evidence from Inflation Stabilizations" (with Richard Ball). *World Development*, 23(6):897–912, 1995.

"Government Agricultural Policy, the United States" In: *The Encyclopedia of Agricultural Sciences* 2 (1994) pp. 465–476, Charles J. Arntzen (editor), San Diego, CA: Academic Press.

"Intraorganizational Influence Relations and the Optimality of Collective Action" (with Pinhas Zusman), *Journal of Economic Behavior and Organization* 24(1):1–22, June 1994.

"Natural Resource Damages: Knowledge of Valuation Techniques Useful, as Liability Exposure Grows" (with André Fargeix,). *Environmental Compliance & Litigation Strategy* 9 (8):1–5, January 1994.

"Price Distorting Compensation Serving the Consumer and Taxpayer Interest" (with William E. Foster), *Public Choice* 77(2):275–91, October 1993.

"The Governance Structure of Agricultural Science and Agricultural Economics: A Call to Arms" (with Richard E. Just) *American Journal of Agricultural Economics* 75:69–83 October 1993.

"State-Market-Civil Institutions: The Case of Eastern Europe and the Soviet Republics" (with S. R. Johnson), *World Development* 21(4):675–89, April 1993.

"Nutrient Demand and the Allocation of Time: Evidence from Guam" (with Glynis Gawn, Robert Innes, and David Zilberman). *Applied Economics* 25:811–30, 1993.

"Environmental and Agricultural Policy Linkages and Reforms in the United States Under the GATT" (with Richard Just). *American Journal of Agricultural Economics* 74(3):766–74, August 1992.

"Predatory Versus Productive Government: The Case of U.S. Agricultural Policy" *Journal of Economic Perspectives* 6(3):133–57, Summer 1992.

"Public Policy and Constitutional Prescription" (with Pinhas Zusman). *American Journal of Agricultural Economics* 74(2):247–57, May 1992.

"Political Preference Functions and Public Policy Reform: Reply" (with William E. Foster), *American Journal of Agricultural Economics* 74(1):227–30, February 1992.

"Productive and Predatory Public Policies: Research Expenditures and Producer Subsidies in Agriculture," (with Harry de Gorter and David J. Nielson). *American Journal of Agricultural Economics* 74(1):27–37, February 1992.

"Preconditions for the Emergence of East European Market Economies," *Current Politics and Economics of Europe* 1(3/4):347–61, 1991.

"Farmer Behavior Under Risk of Failure" (with William E. Foster), *American Journal of Agricultural Economics* 73(2):276–88, May 1991.

"Food Security, Price Uncertainty, and Country Hedging: A Case Study of China" (with Jianmin Liu), *The Review of Futures Markets* 10(2):357–371, 1991.

"The Political Economy of Commodity and Public Good Policies in European Agriculture: Implications for Policy Reform" (with Harry de Gorter), *European Review of Agricultural Economics* 18:481–504, 1991.

"Implications of Structural Adjustment: Experience in Developing World for Eastern Europe" *American Journal of Agricultural Economics* 72(5):1252–6, December 1990.

"Market Politics and Foreign Assistance" (with Scott Thomas), *Development Policy Review* 8:365–81, December 1990.

"Linkages Among Commodity Futures Markets and Dynamic Welfare Analysis" (with Nicholas Walraven), *Review of Economics and Statistics* 72(4):631–9, November, 1990.

"Political Preference Functions and Public Policy Reform" (with William E. Foster), *American Journal of Agricultural Economics* 72(3):642–52, August 1990. Reprinted in *Agro-Environmental Policy*, Sandra S. Batie and Rick Horan, eds., Ashgate Publishing Ltd., Aldershot, UK.

"A New Paradigm for Policy Reform and Economic Development," *American Journal of Agricultural Economics* 72(3):821–6, August 1990.

"Looking Ahead: Agricultural Policy in the 1990" (with David Nielson), *U.C. Davis Law Review* 12(3):415–30, Spring 1990.

"An Assessment of the Agricultural Economics Profession" (with Richard E. Just), *American Journal of Agricultural Economics* 71(5):1177–90, December 1989.

"Incomplete Markets and Government Agricultural Policy" (with Robert D. Innes), *American Journal of Agricultural Economics* 71(4):915–31, November 1989.

"Interest Rates and Commodity Prices" (with John Kitchen). *Journal of Agricultural Economics Research* 41(2):5–11, Spring 1989.

"The Political Economy of Agricultural Policy Reform" (with Douglas A. Irwin), *European Review of Agricultural Economics* 15(4):349–66, 1989.

"Managing Farm Supply: Kick the Habit; But Make Other Reforms, Too" (with William E. Foster), *Choices* 2(3):18–21, 1987.

"Modeling the Effects of Policy on Farmers in Developing Agriculture" (with Richard E. Just and David Zilberman), *International Journal of Development Planning Literature* 1(3):287–300, July–September 1986.

"Macroeconomic Linkages, Taxes, and Subsidies in the U.S. Agricultural Sector" (with James A. Chalfant, H. Alan Love, and Kostas G. Stamoulis) *American Journal of Agricultural Economics* 68(2):399–412, May 1986.

"Some Political Economy Aspects of Macroeconomic Linkages with Agriculture" (with Margaret S. Andrews), *American Journal of Agricultural Economics* 68(2):413–7, May 1986.

"The Distributional Effects of Land Controls in Agriculture" (with David Zilberman and Richard E. Just), *Western Journal of Agricultural Economics* 9(2):215-32, December 1984.

"Country Hedging for Real Income Stabilization: A Case Study of South Korea and Egypt" (with Kathryn M. Gordon), *Journal of Futures Markets* 4(4):449-464, Winter 1984.

"Systems Science and Natural Resource Economics" (with Stanley R. Johnson and Cleve Willis), *International Journal of Systems Science* 14(8):829–858, 1983.

"Efficient Asset Portfolios and a Theory of Normal Backwardation" (with Colin Carter and Andrew Schmitz), *Journal of Political Economy* 91(2):319–31, April 1983.

"The Effect of Asymmetrically Held Information and Market Power in Agricultural Markets" (with Jeffrey M. Perloff), *American Journal of Agricultural Economics* 65(2):366–71, May 1983.

"Futures Market Efficiency in the Soybean Complex" (with Colin Carter). *Review of Economics and Statistics* 65(3):469–78, August 1983.

"Political Economic Markets: PERTs and PESTs in Food and Agriculture," *American Journal of Agricultural Economics* 64(5):821–33, December 1982.

"Optimal Choices Among Alternative Technologies with Stochastic Yields" (with Joseph Yassour and David Zilberman), *American Journal of Agricultural Economics* 63(4):718–23 November 1981.

"Multiattribute Utility Analysis: The Case of Filipino Rice Policy" (with Joseph Yassour), *American Journal of Agricultural Economics* 63(3):484–94, August 1981.

"Commodity Price Forecasting with Large-Scale Econometric Models and the Futures Market" (with Richard E. Just), *American Journal of Agricultural Economics* 63(2):197–215, May 1981.

"Economics of Soil Conservation from the Farmer's Perspective," *American Journal of Agricultural Economics* 62(5):1093–4, December 1980.

"Hedging and Joint Production, Theory and Illustrations." *Journal of Finance*, 35(2):498–501, May 1980.

"Natural Resources, Goods, Bads, and Alternative Institutional Frameworks" (with Harvey Lapan), *Resources and Energy* 2(4):293–324, 1979.

"Systems Methods in Natural Resource Economics" (with S.R. Johnson and C. Willis), *Cybernetics* 1979.

"Public Intervention and Producer Supply Response" (with D. Peter Stonehouse). *American Journal of Agricultural Economics* 60(5):885–90, December 1978

"Active Learning, Control Theory, and Agricultural Policy," *American Journal of Agricultural Economics* 60(3):476–90, August 1978.

"Adaptive Control: Survey of Methods and Applications" (with Dov Pekelman). *Management Science* 9:89–120, 1978.

"Daily Fluctuations in Campground Use: An Economic Analysis" (with Ronald A. Oliveira), *American Journal of Agricultural Economics* 59(2):283–93, May 1977.

"The Economic Impact of EPA Sulfur Standards on the U.S. Coal Industry" (with R. A. Levins, M. D. Boehlje, and J. A. Otte), *SME Transactions*, 262:65–74, March 1977.

"The Stability of the Demand for Money in Canada" (with P. Laumas). *Journal of Monetary Economics* 2:367–80, Summer 1976.

"Investment Sequencing, Allocation, and Learning in the Design of Water Resource Systems: An Empirical Application" (with C. Willis), *Water Resources Research* 12:317–30, June 1976.

"An Economic Analysis of Wilderness Area Use" (with Ronald A. Oliveira), *Journal of the American Statistical Association* 71(354):276–285, June 1976.

"Econometric Policy Model Construction: The Post-Bayesian Approach" (with A. Faden), *Annals of Economic and Social Measurement* 5:349–62, Spring 1976.

"Stochastic Control Theory and Economic Policy: An Application" (with J. W. Freebairn), *Australian Economic Papers* 14(25):216–30, December 1975.

"Effects and Changes in the Level of U.S. Beef Imports" (with J. W. Freebairn), *American Journal of Agricultural Economics* 57(4):676–688, November 1975.

"Technical Progress and Environmental Tradeoffs in Natural Resource Industries," *Journal of Economics and Business* 28:1–14, October 1975.

"Temporal Price Behavior in Commodity Futures Markets (with T. F. Cargill), *Journal of Finance* 30(4):1043–53, September 1975.

"The Limitations of Simulation in Model Evaluation and Decision Analysis" (with S. R. Johnson), *Simulation and Games* 6(2):115–50, June 1975.

"Book Review of The Computation of General Equilibria by Herbert Scarf" (with Quirino Paris). *Journal of the American Statistical Association*, 70(350) (June 1975), pp. 485–86.

"Stochastic Control of Environmental Externalities" (with R. Howitt), *Annals of Economic and Social Measurement* 4(2):271–92, Spring 1975.

"Discrete Variations Across Subsets of Parameters in Simultaneous Equation Models" (with S. R. Johnson), *Metroeconomica* 26:226–244, January December 1974.

"Technological Change, Production, and Investment in Natural Resource Industries," *American Economic Review* 64(6):1049–59, December 1974.

"An Adaptive Control Approach to Agricultural Policy"(with J. W. Freebairn), *Australian Journal of Agricultural Economics* 18(3):208–20, December 1974.

"Estimation of Policy Preference Functions: An Application to U.S. Beef Import Policy" (with J. W. Freebairn), *Review of Economics and Statistics* 56(4):437 49, November 1974.

"Alternative Econometric Forms," *Journal of Economics* 2:27–37, October 1974.

"Updating Parameter Estimates: A Least Squares Approach with an Illustrative Application to the Inventory of Beef Cows" (with J. W. Freebairn), *Review of Marketing and Agricultural Economics* 42(2):83–9, June 1974.

"Approximate Adaptive Control Solutions to U.S. Beef Trade Policy" (with J. W. Freebairn), Annals of Economic and Social Measurement, 3(1):177–203, January 1974.

"Sufficient Conditions for Aggregation in Linear Programming Models" (with Quirino Paris), *American Journal of Agricultural Economics*, 55(4):659–66, November 1973.

"The Validity and Verification of Complex System Models: Discussion on Shapiro and Fromm," (With Carl F. Christ) *American Journal of Agricultural Economics*, 55(2):271–279, May 1973.

"Investment Sequencing Recognizing Externalities in Water Desalting" (with C. Willis), *Water Resource Bulletin*, 9(1):54–72, February 1973.

"Learning External Benefits and Subsidies in Water Desalination" (with C. Willis and P. Frick), *Water Resources Research*, 8(6):1385–400, December 1972.

"Approximate Distribution of Parameters in Distributed Lag Models" (with Theodore P. Lianos), *Journal of the American Statistical Association*, 67(337):64–67, March 1972.

"Time and Frequency Domain Representations of Future Prices as a Stochastic Process" (with Thomas F. Cargill), *Journal of the American Statistical Association*, 67(337):23–30, March 1972.

"Effects of Misspecification of Linear Functions When Sample Values Are Zero or Negative—A Reply" (with S. R. Johnson), *American Journal of Agricultural Economics*, 53(4):673–4, November 1971.

"On the Measurement of Price Elasticity of Demand" (with S. H. Logan and R. A. Oliveira), *American Journal of Agricultural Economics*, 53(1):112–5, February 1971.

"Effects of Misspecifications of Log-Linear Functions When Sample Values Are Zero or Negative" (with S. R. Johnson), *American Journal of Agricultural Economics*, 53(1):120–4, February 1971.

"The Demand for Fertilizer, 1949–1969: An Analysis of Coefficients from Periodic Cross Sections" (with T. F. Moriak), *Agricultural Economics Research*, 22(2):45–56, April 1970.

"The Existence of Broiler Cycles: An Application of Spectral Analysis" (with Thomas F. Cargill), *American Journal of Agricultural Economics*, 52(1):109 21, February 1970.

Papers Submitted for Refereed Journal Publication

"Nash Bargaining and Risk Aversion" (with Leo Simon). Submitted to *Games and Behavior*.

"The Determinants of Bargaining Power in Three-Player Negotiation Games" (with Leo Simon). Submitted to *Review of Economic Studies*.

"Centralized Clearing" (with William Balson and Reid Stevens). Submitted to *Review of Derivatives Research*.

"'Buyer Power' and Economic Policy: Is Monopsony Really Symmetric with Monopoly?" (with Richard Just). Submitted to *Antitrust Bulletin*.

"Biotechnology, Intellectual Property and Value Differentiation in Agriculture" (with Rachael Goodhue, Suzanne Scotchmer and Leo K. Simon). Submitted to *Review of Industrial Organization*.

"SSNIP Test: Partial vs General Equilibrium" (with Richard E. Just). To be submitted to *Rand Journal of Economics*.

"Predatory Behavior in Vertical Market Structures: A General Equilibrium Approach" (with Richard E. Just). To be submitted to *Journal of Law and Economics*.

"Rational Exaggeration in Information Aggregation Games" (with Leo K. Simon and Jinhua Zhao). Submitted to *Econometrica*.

"Processors Placements and Producer Incentives: Analyzing Broiler Chicken Production Contracts" (with Rachael E. Goodhue and Leo K. Simon). To be submitted to *Journal of Economic Management Strategy*.

"Price and Location" (with Leo Simon). To be submitted to *Journal of Economic Theory*.

"Pollution or Politics: The Case of Environmental Programs in the EU" (with K. Baylis, S. Peplow and L. Simon), to be submitted to *American Economic Journal: Economic Policy*.

"A Dynamic Model of the Food Processing Sector in the New Market Economies of Central Europe" (with Rachael E. Goodhue, Robert Lyons, and Leo K. Simon), to be submitted to *Journal of Policy Modeling*.

Books and Monographs

Property Rights and Collective Action in Natural Resources with Application to Mexico (with Antinori). In preparation.

Public/Private Partnerships: Collective Choice Under Alternative Control Premiums. In progress.

Political Power and Economic Policy: Theory, Analysis, and Empirical Applications (with Jo Swinnen and Pinhas Zusman). Cambridge University Press, forthcoming.

Structure and Power in Multilateral Negotiations: An Application to French Water Policy (with Leo K. Simon, Rachael E. Goodhue, Sophie Thoyer, Sylvie Morardet, and Patrick Rio), Giannini Foundation Research Monograph 47, June 2007.

Social Costs of an MTBE Ban in California (with Gregory D. Adams, W. David Montgomery, and Anne E. Smith), University of California, Giannini Foundation Report, December 2004.

Handbook of Agricultural Economics, Vol 2A, Bruce L. Gardner and Gordon C. Rausser (editors), (Amsterdam: Elsevier Science, North-Holland, 2002, 477 pp.).

Handbook of Agricultural Economics, Vol 2B, Bruce L. Gardner and Gordon C. Rausser (editors), (Amsterdam: Elsevier Science, North-Holland, 2002, 562 pp.).

Handbook of Agricultural Economics, Vol 1A, Bruce L. Gardner and Gordon C. Rausser (editors), (Amsterdam: Elsevier Science, North-Holland, 2001, 741 pp.).

Handbook of Agricultural Economics, Vol 1B, Bruce L. Gardner and Gordon C. Rausser (editors), (Amsterdam: Elsevier Science, North-Holland, 2001, 464 pp.).

Agricultural Globalization, Trade and the Environment (with C. Moss, A. Schmitz, T. Taylor, D. Zilberman) (Boston: Kluwer Academic Publisher, 2001, 542 pp.).

GATT Negotiations and the Political Economy of Policy Reform (with associates), (Berlin, Heidelberg, New York: Springer-Verlag, 1995).

Economic Growth, Political and Civil Liberties (with John McMillan and Stanley R. Johnson), Occasional Paper 53, Institute for Contemporary Studies, San Francisco, 1994.

The Emergence of Market Economies in Eastern Europe (with C. Clague, eds.), (Cambridge, MA: Blackwell Publishers, 1992).

Development and the National Interest (one of many collaborators), Agency for International Development Monograph, March 1989.

Toward Agricultural Policy Reform. Economic Report of the President. Chapter 5, U.S. Council of Economic Advisors, 1987, pp. 147–78.

Macroeconomic Environment for U.S. Agricultural Policy. American Enterprise Institute for Public Policy Research, Occasional Paper on U.S. Agricultural Policy. Washington, DC, 1985.

Alternative Agricultural and Food Policies and the 1985 Farm Bill (with Kenneth R. Farrell, eds.). Giannini Foundation of Agricultural Economics, University of California, Berkeley, and Resources for the Future, Washington, DC, San Leandro, CA: Blaco Publishers, 1984.

New Directions in Econometric Modeling and Forecasting in U.S. Agriculture (editor). (New York: Elsevier North-Holland, Inc., 1982).

Dynamics of Agricultural Systems: Economic Prediction and Control (with E. Hochman). (Amsterdam: North-Holland Publishing Co., 1979).

Urban Malnutrition: Problem Assessment and Intervention Guidelines (with J. Austin, Johanna Dwyer, et al), World Bank Monograph, 1977.

A Survey of Agricultural Economics Literature: Quantitative Methods (with G. G. Judge, R. Day, S. R. Johnson, and Lee Martin), (Minneapolis: University of Minnesota Press, 1977). Reprinted in paperback (2009).

In Books and Proceeding Issues

"US versus EU Biotechnology Regulations and Comparative Advantage: Implications for Future Conflicts and Trade" (with D. Zilberman and G. Hochman), forthcoming in *Cooperating in Managing Biosafety and Biodiversity: California, the United States and the European Union.*

"Rational Industrial Policy: Structuring R&D Investments in Renewable Energy", forthcoming in *Bioeconomy Governance: Policy, Environmental and Health Regulation, and Public Investments in Research*, ICABR, Italy.

"PPPs: The Determination of Control Premiums", forthcoming in *The Routledge Companion to Public-Private Partnerships*, de Vreis and Yehoue, eds., Routledge.

"University-Private Partnerships in Horticultural R&D", (with Reid Stevens), fothcoming in *Transgenic Horticultural Crops: Challenges and Opportunities.*

"Special Interests Versus the Public Interest in Policy Determination" (with Gerard Roland), in Anderson, K. (ed.), *Political Economy of Agricultural Price Distortions*, New York: Cambridge University Press, 2010, pp. 105-125.

"Preface" (with David Zilberman and V. Kerry Smith), Forthcoming in *Annual Review of Resource Economics* 2, 2010.

"The Giannini Foundation and the Welfare of California Agriculturalists in a Changing State, Nation, and World." In *A.P. Giannini and the Giannini Foundation of Agricultural Economics*, W. Johnson and A. McCalla, eds., Giannini Foundation, 2009, pp. 147-164.

"Managing R&D Risk in Renewable Energy" (with Maya Papineau), *Transition to a Bioeconomy: Risk, Infrastructure, and Industry Evolution*, B. English, ed. Farm Foundation, 2009, pp. 29-41.

"Preface" (with David Zilberman and V. Kerry Smith), *Annual Review of Resource Economics* 1, v-vi, 2009.

"Negotiating over the Allocation of Water Resources: The Strategic Importance of Bargaining Structure" (with Rachael Goodhue, Leo Simon and Sophie Thoyer), *Game Theory and Policy Making in Natural Resources and the Environment*, Ariel Dinar, Jose Albiac and Joaquin Sanchez-Soriano, editors. Routledge Press, 2008, pp 132-154.

"Information Asymmetries, Uncertainties, and Cleanup Delays at Superfund Sites" (with Leo Simon and Jinhua Zhao), *The Economics of Hazardous Waste and Contaminated Land*, Hilary Sigman, ed. Edward Elgar Publishing, 2008.

"Estimating Toxic Tort and Damages" (with Mark Berman) in Earl L. Hagström, editor, *Perchlorate: a Scientific, Legal, and Economic Assessment*, Lawyers & Judges Pub. Co., Tucson, AZ, 2006, pp.375-407.

Exploring Frontiers in Applied Economics: Essays in Honor of Stanley R. Johnson, a tribute volume to Stan Johnson; Jean-Paul Chavas and Matt Holt, editors, Berkeley Electronic Press, Berkeley, CA, 2006.

"Agri-Environmental Programs in the United States and European Union" (with Leo Simon and Kathy Baylis) in Anania, M. E. Bohman, C. A. Carter, and A. F. McCalla, editors, *Agricultural Policy Reform and the WTO: Where Are We Heading?*, Edward Elgar, Cheltenham, UK and Northampton, MA, USA, 2004.

"Political Economic Markets: PESTs and PERTs in Food and Agriculture." In *The WTO and Agriculture*, Kym Anderson and Tim Josling, editors. Edward Elgar Publishing Ltd, Cheltenham, UK & Northampton, MA, USA, 2005.

"Valuing Research Leads: Bioprospecting and the Conservation of Genetic Resources" (with Arthur A. Small). In *The Economics of Biodiversity Conservation*, Stephen Polasky, editor. International Library of Environmental Economics and Policy; Ashgate Publishing Ltd, Aldershot, UK, 2002.

"Mergers and Intellectual Property in Agricultural Biotechnology" (with Alan Marco). In *Economic and Social Issues in Agricultural Biotechnology*, R.E. Evenson, V. Santaniello and D. Zilberman, editors. (New York: CABI Publishing, 2002, pp. 119–35).

"Conceptual Foundations of Expectations and Implications for Estimation of Risk Behavior" (with R.E. Just). In *A Comprehensive Assessment of the Role of Risk in U.S. Agriculture*, Chapter 4, R.E. Just and R.D. Pope, editors. (Boston: Kluwer Academic Publishers, 2001, pp. 53–80).

"Rent Seeking and International Trade in Agriculture" (with Harry de Gorter and Andrew Schmitz). In *Agricultural Globalization, Trade and the Environment*. Chapter 9, C. Moss, G. Rausser, A Schmitz, T. Taylor, D. Zilberman editors. (Boston: Kluwer Academic Publishers, 2001, pp. 179–211).

"Community Integration in Mexico's Forest Industry: Survey Data from Oaxaca" (with C. Antinori). In: *World Forests, Markets and Policies*. M. Palo, J Uusivuori, and G. Mery, editors. (Boston: Kluwer Academic Publishers, 2001, pp. 293–4).

"Public Research/Private Alignments." In: *Knowledge Generation and Technical Change: Institutional Innovation in Agriculture*. Chapter 3. (Boston: Kluwer Academic Publishers, 2001, pp. 55–62).

"Production and Marketing" (with R. Goodhue). In: *Handbook of Agricultural Economics*, Volume 1, Chapter 21, Bruce L. Gardner and Gordon C. Rausser (editors). (Amsterdam: Elsevier Science, North-Holland, 2001, pp. 1084–1209).

"Public Policy: Its Many Analytical Dimensions" (with R. Goodhue). In: *Handbook of Agricultural Resource Economics,* Volume 2, Chapter 39, Bruce L. Gardner and Gordon C. Rausser (editors). (Amsterdam: Elsevier Science, North Holland, 2002, pp. 2058–2102).

"Collective Choice in Water Resource Systems." In: *The Political Economy of Water Pricing Implementation.*" The World Bank, Washington, DC. Chapter 3, Ariel Dinar, editor. (New York: Oxford University Press, 2000, pp. 49–78).

"Alignment of Public/Private Institutions in the Biotechnology Revolution" in *Agricultural Outlook Forum 1999 Proceedings*. (Washington, DC: USDA, June 1999).

"Value Differentiation in Agriculture: Driving Forces and Complementarities" (with R. Goodhue). In *Vertical Relationships and Coordination in the Food System.* Giovanni Galizzi and Luciano Venturini, editors. (Heidelberg: Physica-Verlag Publishers, 1999).

"An Empirical Study of the Determinants of Public Research Investment and Commodity Policies in Agriculture" (with Johan F.M. Swinnen, Harry de Gorter, and Anurag N. Banerjee). In *Food Security, Diversification, and Resource Management: Refocusing the Role of Agriculture*." XXIII International Conference of Agricultural Economists. (Sacramento, CA: August 1997).

"The Choice of Commodity Policies and Research Investment in Agriculture" (with Johann F.M. Swinnen and Harry de Gorter). Contributed paper in the Proceedings of the conference, *Global Agricultural Science Policy for the Twenty-First Century*, Melbourne, Australia, August 16–18, 1996.

"The Economic Value of Patents, Licenses, and Plant Variety Protection" (with Arthur A. Small). In proceedings volume, *Building Partnerships for Commercializing University Research,* Tahoe City, California, May, 1996.

"GATT Agricultural Policy Reform: A United States Perspective." In *Agricultural Markets: Mechanisms, Failures and Regulations*, Martimort, D. (editor). (Amsterdam: Elsevier Science, 1996, pp. 331–71).

"Political Economic Processes and Collective Decision Making" (with Leo K. Simon and Klaas T. van 't Veld). In *Agricultural Competitiveness: Market Forces and Policy,* Peters, George H. and Hedley, Douglas D. (eds.) Aldershot, Hants, England and Brookfield, Vt., USA: Dartmouth, 1995, pp. 261–273.

"State-Market-Civil Institutions: The Case of Eastern Europe and the Soviet Republics" (with Stanley R. Johnson). In *State, Market and Civil Organizations*, Alain de Janvry, Samir Radwan, Elisabeth Sadoulet and Erik Thorbecke (editors). (London: Macmillan Press, 1995, pp. 458–86).

"The Uruguay Round and the GATT Negotiations." In *GATT Negotiations and the Political Economy of Policy Reform,* Chapter 1, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 1–34).

"Compensation and Political Feasibility: Facilitating Welfare Improving Policies" (with Richard E. Just and David Zilberman. In *GATT Negotiations and the Political Economy of Policy Reform*, Chapter 3, Gordon C. Rausser (editor). Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 65–84.

"The Political Economy of Redistributive Policies and the Provision of Public Goods in Agriculture" (with Harry de Gorter and David J. Nielson). *In GATT Negotiations and the Political Economy of Policy Reform,* Chapter 4, Gordon C. Rausser (editor). Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 85–106).

"Coalition Breaking and Policy Reform" (with William E. Foster). *In GATT Negotiations and the Political Economy of Policy Reform,* Chapter 5, Gordon C. Rausser (editor). Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 107–24).

"Public Goods and Welfare Transfer Tradeoffs" (with William E. Foster). In *GATT Negotiations and the Political Economy of Policy Reform*, Chapter 6, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 125–43).

"Mobility, Diversification, and Sustainability of Trade Reform" (with William E. Foster and Richard Gray). In *GATT Negotiations and the Political Economy of Policy Reform*, Chapter 7, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 145–64).

"Modeling Policy Reform in the U.S. Wheat and Feed Grain Sectors" (with Richard E. Just and David Zilberman). In *GATT Negotiations and the Political Economy of Policy Reform,* Chapter 8, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 175–254).

"The Determination of Technology and Commodity Policy in the U.S. Dairy Industry" (with Harry de Gorter and David Nielson). In *GATT Negotiations and the Political Economy of Policy Reform*, Chapter 9, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 253–74).

"Modeling Phased Reductions of Distortionary Policies in the U.S. Wheat Market under Alternative Macroeconomic Environments" (with Steve Labson). In *GATT Negotiations and the Political Economy of Policy Reform*, Chapter 10, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 275–314).

"Alternative Subsidy Reduction Paths: The Role of Fiscal and Monetary Policy Linkages" (with Pier-Giorgio Ardeni). In *GATT Negotiations and the Political Economy of Policy Reform,*

Chapter 11, Gordon C. Rausser (editor). (Berlin, Heidelberg, New York: Springer-Verlag, 1995, pp. 315–45).

"Disruption and Continuity in Bulgarian Agrarian Reform" (with R. F. Lyons and L.K. Simon). In *Privatization of Agriculture in New Market Economies: Lessons from Bulgaria,* Chapter 5, A. Schmitz, K. Molton, A. Buckwell, and S. Davidola (editors). (Boston: Kluwer Academic Publishers, 1994).

"Productive and Predatory Public Policies: Research Expenditures and Producer Subsidies in Agriculture." Reprinted in *Agricultural Economics*, G. H. Peters (editor). (Cheltenham, England: Edward Elgar Publishing Ltd., 1994).

"International Impacts of Reduced Intervention in Agricultural Markets." In *International Agricultural Trade and Market Development Policy in the 1990s*, John W. Helmuth and Don F. Hadwiger (editors). (Westport, CT: Greenwood Press, 1993, pp. 81–114).

"Managing Groundwater Quality under Uncertainty" (with David Sunding, David Zilberman, and Alan Marco). In *Quantifying Long-Run Risks in Agriculture,* Michele Marra (editor), proceedings of a seminar sponsored by Southern Regional Project S-232, Jekyll Island, GA, March, 1993. Department of Resource Economics and Policy, University of Maine, Orono, June 1993, pp. 1–33.

"An Emerging Framework for Economic Development: A LDC Perspective." In *Industrial Policy for Agriculture in the Global Economy*, S.R. Johnson and S. A. Martin (editors). (Ames, IA: Iowa State University Press, 1993, Chapter 11, pp. 229–45).

"The Structure of Research and Transfer Policies in International Agriculture (with David R. Lee)." In *Issues in Agricultural Development, Sustainability and Cooperation,* Margot Bellamy and Bruce Greenshields (editors). International Association of Agricultural Economists Occasional Paper 6, 1992, pp. 34–42.

"Environmental and Agricultural Policy Linkages and Reforms in the United States under the GATT" (with Richard Just and David Zilberman). In Improving *Agricultural Trade Performance under the GATT*, Chapter 18, T. Becker, R. Gray, and A. Schmitz (editors). (Wissenschaftsverlag Vauk Kiel KG, 1992).

"The Political Economy of Transition in Eastern Europe: Packaging Enterprises for Privatization" (with Leo K. Simon). In *The Emergence of Market Economies in Eastern Europe*, Chapter 14, Christopher Clague and Gordon Rausser (editors). (Cambridge, MA: Blackwell Publishers, 1992, pp. 245–70).

"Lessons for Emerging Market Economies in Eastern Europe." In *The Emergence of Market Economies in Eastern Europe,* Chapter 19, Christopher Clague and Gordon Rausser (editors). Cambridge, MA: Blackwell Publishers, 1992, pp. 311–32).

"An Assessment of the Agricultural Economics Profession." In *Social Science Agricultural Agendas and Strategies,* Chapter 7, J. Loehr (editor). (East Lansing, MI: Michigan State University Press, 1991).

"The Political Economy of Agriculture in the United States." In *The Political Economy of North America Agricultural Policies and Trade*, Chapter 3, Hans Michelmann, Jack Stabler, and Gary Storey (editors). (Boulder, CO: Westview Press, 1991, pp 57–91).

"Public Research in Agriculture: An Alternative Institutional Framework" (with David Zilberman). In *Economic Models, Estimation, and Socioeconomic Systems: Essays in Honor of Karl Fox*, Tej K. Kaul and Jati K. Sengupta (editors). (Amsterdam: Elsevier Science Publishers, 1991, pp. 33–53).

"Organizational Failure and the Political Economy of Water Resources Management" (with Pinhas Zusman). In *The Economics and Management of Water and Drainage in Agriculture*, Chapter 37, Ariel Dinar and David Zilberman (editors). (Boston: Kluwer Academic Publishers, 1991, pp. 735–58).

"The Evolution and Coordination of U.S. Commodity and Resource Policies" (with William E. Foster). In *Commodity and Resource Policies in Agricultural Systems*, Richard E. Just and Nancy Bockstael (editors). (Berlin, Heidelberg, New York: Springer-Verlag, 1991, pp. 17–45).

"Dynamic Welfare Analysis and Commodity Futures Markets Overshooting" (with Nicholas Walraven). In *International Commodity Market Modelling: Advances in Methodology and Applications,* Chapter 11, O. Guvenen, W.C. Labys, and J.-B. Lesourd (editors). (London: Chapman and Hall Book Publishing Company, 1991, pp. 211–32).

"Empirical Pricing Measures for Futures Markets" (with Nicholas Walraven). In *Commodity Futures and Financial Markets,* Chapter 7, Louis Philips (editor). (Boston: Kluwer Academic Publishers, 1990, pp. 179–203).

"The Politics of Economic Policy Reform" (with E. Scott Thomas). In *Development Issues, 1990*, Chapter 2, Ronald Roskens, Chairman of Development Coordination Committee (editor). (Washington, DC: U.S. Government Printing Office, 1990, pp. 4–19).

"World Commodity Prices: The Role of External Debt and Industrial Country Policies" (with M.G. Rose and D.A. Irwin). In *Agricultural Trade Liberalization*, Chapter 15, Ian Goldin and Odin Knudsen (editors). (Paris: Organization for Economic Cooperation and Development; and Washington: The World Bank, 1990, pp. 415–45).

"Endogenizing Policy in Models of Agricultural Markets" (with Harry de Gorter). In *Agriculture and Governments in an Interdependent World*, Allen Maunder and Alberto Valdés (editors). Proceedings of the Twentieth International Conference of Agricultural Economists, Buenos Aires, August, 1988. (Dartmouth: International Association of Agricultural Economists, University of Oxford, 1989, pp. 259–74).

"The Macroeconomic Dimension of Agricultural and Food Policy Reform." In *World Food System: Hunger in the Midst of Plenty, Volume II*, John W. Helmuth and Stanley R. Johnson (editors). (Ames, IA: Iowa State University Press, 1989, pp. 90–109).

"The Impacts of Economic Reform for Agricultural and Food Policy" (with William E. Foster). In *World Food System: Hunger in the Midst of Plenty, Volume I,* John W. Helmuth and Stanley R. Johnson (editors). (Ames, IA: Iowa State University Press, 1989, pp. 95–99).

"Alternative Strategies for Trade Policy Reform" (with Brian D. Wright). In *Policy Coordination in World Agriculture,* Harald von Witzke, C. Ford Runge, and Brian Job (editors). (Minneapolis: University of Minnesota Press, 1989, pp. 117–159).

"A Coherent Policy for U.S. Agriculture" (with William E. Foster). In *Food, Policy, and Politics: A Perspective on Agriculture and Development*, George Horwich and Gerald J. Lynch (editors). (Boulder, CO: Westview Press, 1989, pp. 191–237).

"Developments in Economics of Importance to Agricultural Economics: A Discussion." In *Agriculture and Rural Areas Approaching the 21st Century,* R. J. Hildreth et al (editors). (Ames, IA: Iowa State University Press, 1988, pp. 257–264).

"The Macroeconomics of Agriculture in Rural America." In *Agriculture and Rural Areas Approaching the 21st Century*, R. J. Hildreth et al (editors). (Ames, IA: Iowa State University Press, 1988, pp. 384–395).

"Stability Issues and Policy Analysis." In *Agricultural Stability and Farm Programs,* Dan Sumner (editor). (Boulder, CO: Westview Press, February, 1988, pp. 143–170).

"Overshooting of Agricultural Prices" (with Kostas G. Stamoulis). In *Macroeconomics, Agriculture, and Exchange Rates*, P. L. Paarlberg and Robert G. Chambers (editors). International Agricultural Trade Research Consortium. (Boulder, CO: Westview Press, 1988, pp. 163–189).

"The Food Marketing System: The Relevance of Economic Efficiency Measures" (with Jeffrey M. Perloff and Pinhas Zusman). In *Economic Efficiency in Agricultural and Food Marketing,* Richard L. Kilmer and Walter J. Armbruster (editors). (Ames, IA: Iowa State University Press, 1987, Chapter 1, pp. 3–31).

"Modeling the Effects of Policy on Farmers in Developing Agriculture" (with Richard E. Just and David Zilberman). Chapter published in *Theoretical Foundations of Development Planning.* S.B. Dahiya (ed); foreword by Professor Jan Tinbergen, Nobel Laureate. (Delhi, India: Vedams Books International, Concept Publishing Company, 1992. [Originally appeared in International Journal of Development Planning Literature 1(3), (July September, 1986), pp. 287–300.]

"Modeling Alternative Trade and Macroeconomic Scenarios: Implications for U.S. Agriculture" (with Kostas G. Stamoulis, H. Alan Love, and James A. Chalfant). In *Impacts of Farm Policy and Technological Change on U.S. and California Agriculture.* Harold O. Carter (editor). (Davis, CA: University of California, Agricultural Issues Center, 1986, pp. 91–136).

"Instability in Agricultural Markets: The U.S. Experience" (with James A. Chalfant and Kostas G. Stamoulis). In *Agriculture in a Turbulent World,* A. Maunder and U. Renborg (editors). (Oxford: Oxford University Press, 1985, Chapter 6, pp. 595–604).

"A Synthesis of Major Studies and Options for 1984" (with William E. Foster). In *The Dilemmas of Choice*, Chapter 7, Kent A. Price (editor). (Washington, DC: The National Center for Food and Agricultural Policy, Resources for the Future, 1985, pp. 201–46).

"Macroeconomics and U.S. Agricultural Policy." In *U.S. Agricultural Policy: 1985 Farm Legislation,* Bruce L. Gardner (editor). (Washington, DC: American Enterprise Institute for Public Policy Research, 1985, pp. 207–52).

"Review and Assessment of Alternative Agricultural Policy Proposals" (with Linda S. Calvin and William E. Foster). In *Alternative Agricultural and Food Policies and the 1985 Farm Bill,* Chapter 7, Gordon C. Rausser and Kenneth R. Farrell (editors). Giannini Foundation of Agricultural Economics, University of California, Berkeley, and Resources for the Future, Washington, DC, San Leandro, CA: Blaco Publishers, 1984, pp. 143–82).

"Uncertain Economic Environments and Conditional Policies" (with Richard E. Just). In *Alternative Agricultural and Food Policies and the 1985 Farm Bill,* Chapter 5, Gordon C. Rausser and Kenneth R. Farrell (editors). Giannini Foundation of Agricultural Economics, University of California, Berkeley, and Resources for the Future, (Washington, DC, San Leandro, CA: Blaco Publishers, 1984, pp. 101–32).

"Summary and Conclusions" (with Kenneth R. Farrell). In *Alternative Agricultural and Food Policies and the 1985 Farm Bill,* Chapter 1, Gordon C. Rausser and Kenneth R. Farrell (editors). Giannini Foundation of Agricultural Economics, University of California, Berkeley, and Resources for the Future, Washington, DC, San Leandro, CA: Blaco Publishers, 1984, pp. 1–8.

"Monetary Policy and U.S. Agriculture" (with John W. Freebairn and Harry de Gorter). In *International Agricultural Trade: Advanced Readings in Price Formation, Market Structure, and Price Instability*, Andrew Schmitz, and Alexander H. Sarris (editors). (Boulder, CO: Westview Press, 1984, pp. 99–123).

"Agricultural Policy: A Synthesis of Major Studies and Options for 1985" (with William E. Foster). National Conference on Food, Agriculture, and Resources, Resources for the Future. (Washington, DC, 1984, p. 120.

"A Proper Perspective for Considering Adaptive Economics" (with David Zilberman). In *Modeling Farm Decisions for Policy Analysis*, Kenneth H. Baum and Lyle P. Schertz (editors). (Boulder, CO: Westview Press, 1983, pp. 56–60).

"Implications of United States Experience for Water Resource Planning in Egypt" (with Margriet F. Caswell). In *The Economic Challenges of Peace: Agriculture and Economic Transition in Egypt*. Proceedings of a Conference, Alexandria, Egypt, 1980, S. R. Johnson, John R. Moore, and Martin Wannanen (editors). (Columbia, MO: University of Missouri, Department of Agricultural Economics, 1983, pp. 48–64).

"Expectation and Intertemporal Pricing in Commodity Futures and Spot Markets" (with Richard E. Just). In *Applied Commodity Price Analysis, Forecasting, and Market Risk Management*: Proceedings of the NCR-134 Conference, Des Moines, Iowa, 1983. (Ames, IA: Iowa State University, Department of Agricultural Economics, 1983, pp. 252–79).

"Modeling Equity and Efficiency in Agricultural Production Systems" (with Richard E. Just and David Zilberman). In *Growth and Equity in Agricultural Development;* Proceedings, 18th International Conference of Agricultural Economics, Jakarta, Indonesia, 1982, A. Maunder and K. Ohkawa (editors). Aldershot: Gower, 1983, and (Oxford: Oxford University Press, 1983, pp. 120–35).

"Lead-Lag Price Relationships Between Thinly and Heavily Traded Commodity Futures Markets" (with Colin A. Carter). In *Applied Commodity Price Analysis, Forecasting, and Market Risk Management*: Proceedings of the NCR134 Conference, Des Moines, Iowa, 1983. (Ames, IA: Iowa State University, Department of Agricultural Economics, 1983, pp. 241–51).

"Commodity Price Forecasting with Large-Scale Econometric Models and the Futures Market." Reprinted in *Readings and Futures Markets, IV: Selected Writings on Futures Markets: Research Directions in Commodity Markets, 1970–1982,* Chicago Board of Trade, 1983.

"The Distributional Impacts of Agricultural Programs" (with David Zilberman and Richard E. Just). In *Proceedings from Perspectives on Food and Agricultural Policy Research Workshop.* (Oak Brook, IL: The Farm Foundation, 1982, pp. 33–60).

"Principles of Policy Modeling in Agriculture" (with Richard E. Just). In *Modeling Agriculture for Policy Analysis in the 1980s.* (Kansas City: Federal Reserve Bank of Kansas City, September, 1981, pp. 139–74). Also in New Directions in Econometric Modeling and Forecasting in U.S. Agriculture. (New York: Elsevier North-Holland, Inc., 1982, pp. 763–800).

"Institutionalizing a Large Scale Econometric Model: The Case of Agricultural Canada" (with Stanley R. Johnson and Bruce Huff). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture,* Chapter 23, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 801–30).

"Composite Forecasting in Commodity Systems" (with Stanley R. Johnson). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture,* Chapter 21, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 719–62).

"Structural Change, Updating, and Forecasting" (with Yair Mundlak and Stanley R. Johnson). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture,* Chapter 20, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 659–718).

"Developments in Theory and Empirical Applications of Endogenous Governmental Behavior" (with Erik Lichtenberg and Ralph Lattimore). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture,* Chapter 18, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 547–614).

"Food and Agriculture Sector Linkages to the International and Domestic Macroeconomies" (with John W. Freebairn and Harry de Gorter). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture*, Chapter 17, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 503–46).

"Price Supports and Demand in Commodity Market Modeling" (with Chris Riboud). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture*, Chapter 11, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 319–42).

"Consumer Demand, Grades, Brands, and Margin Relationships" (with Peter Berck). In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture*, Chapter 4, Gordon C. Rausser (editor). (New York: Elsevier North] Holland, Inc., 1982, pp. 99–130).

"New Conceptual Developments and Measurements for Modeling the U.S. Agricultural Sector." In *New Directions in Econometric Modeling and Forecasting in U.S. Agriculture*, Chapter 1, Gordon C. Rausser (editor). (New York: Elsevier North-Holland, Inc., 1982, pp. 1–14).

"Simple Quantitative Models for Integrative Planning Frameworks." In *Planning and Decision in Agribusiness: Principles and Experiences*, C.H. Hanf and G.W. Schiefer (editors). (New York: Elsevier Scientific Publishing Company, 1982, pp. 335–69).

"Food Grain Policy in Bangladesh." In *Planning and Decision in Agribusiness: Principles and Experiences,* C.H. Hanf and G.W. Schiefer (editors). (New York: Elsevier Scientific Publishing Company, 1982, pp. 241–62).

"Principal Issues in the Evaluation of Public Research in Agriculture" (with Alain de Janvry, Andrew Schmitz, and David Zilberman). In *Methodology for Evaluation of Agriculture Research,* Walter L. Fishel, G.W. Norton, A. Paulsen, and W. Burt Sunquist (editors). (Minneapolis: University of Minnesota, Agricultural Experiment Station, 1981, Miscellaneous Publication No. 8.

"Policy: Alternatives and Consequences of Conservation Technology on Agricultural Land." In *Soil and Water Resources: Research Priorities for the Nation,* W.E. Larsen, L.M. Walsh, B.A. Stewart, and Don H. Boelter (editors). (Madison, WI: Soil Science Society of America, 1981, pp. 83–102).

"A Putty-Clay Approach to the Distributional Effects of New Technology Under Risk" (with Richard E. Just and David Zilberman). In *Operations Research in Agriculture and Water Resources,* Chapter 6, Dan Yaron and Charles Tapiero (editors). (Amsterdam: North-Holland Publishing Co., 1980, pp. 97–121).

"Prospects and Limitations of Operations Research Applications in Agriculture and Agricultural Policy" (with Richard E. Just and David Zilberman). In *Operations Research in Agriculture and Water Resources*, Chapter 2, Dan Yaron and Charles Tapiero (editors). (Amsterdam: North-Holland Publishing Co., 1980, pp. 17–40).

"The Israeli Poultry Marketing Board: Price Production and Inventory Controls" (with Eithan Hochman and Eliahu Comay). In *Applied Stochastic Control in Econometrics and Management Science*, Chapter 1, A. Bensoussan, P. Kliendorfer, and C. S. Tapiero (editors). (Amsterdam: North-Holland Publishing Co., 1980, pp. 1–38).

"Futures Versus Commercial Econometric Models" (with Richard E. Just). In *Futures Trading Seminar*, Anne Peck (editor). (Chicago: Board of Trade of the City of Chicago, 1980, p. 6).

"Models of the U.S. Corn System." In *Agribusiness Management for Developing Countries—Southeast Asia Corn Systems*, R. A. Goldberg et al (editors). (Boston: Ballinger Publishing Co., 1979, pp. 576–626).

"A Survey of Systems Analysis and Simulation in Agricultural Economics" (with S.R. Johnson). In *1940s to 1970s*, Chapter 3, G.G. Judge et al (editors). (Minneapolis: University of Minnesota Press, 1977, pp. 156–301).

"Firm Growth Policies Under Different Pollution Abatement, Production, and Financial Structures" (with E. Hochman). In *Economic Growth of the Agricultural Firm*, Chapter 12, C. Baker and R. Barry (editors). (Pullman, WA: Washington State University Press, WRCC-16 Research Committee, 1977).

"Environmental Impacts on Electricity Systems Growth" (with A.S. Cohen and G. Fishelson). In *Environmental Pollutants and the Urban Economy*, G.S. Tolley and A.S. Cohen (editors). (Chicago: University of Chicago, Center for Urban Studies, 1976).

"Environmental Policies for Power Plants" (with G. Fishelson and A.S. Cohen). In *Environmental Pollutants and the Urban Economy*, G.S. Tolley and A.S. Cohen (editors). (Chicago: University of Chicago, Center for Urban Studies, 1976).

"Economic Forecasting: The Case of Australian Agriculture" (with J. W. Freebairn). *American Statistical Association Proceedings*, Business and Economic Section (September, 1976), pp. 5425–48.

"An Estimating Method for Models with Stochastic, Time Varying Parameters" (with S. R. Johnson). *American Statistical Association Proceedings*, Business and Economic Statistics Section (September 1975), pp. 356–61.

"Normalization Rules, Approximate Small Sample Properties and the TSLS Estimator" (with S. R. Johnson). *American Statistical Association Proceedings*, Business and Economic Statistics Section (December 1972), pp. 420–25.

"Uncertainty and Decision-Making in Water Resources" (with G. W. Dean). In *California Water: A Study in Resource Management*, Chapter 12, D. Seckler (editor). (Berkeley: University of California Press, 1971, pp. 233-50 and pp. 310-344).

"An Appendix on Water Resource Decision Making Under Conditions of Uncertainty" (with G. W. Dean). In *California Water: A Study in Resource Management*, D. Seckler (editor). (Berkeley: University of California Press, 1971, pp. 310–44).

"Forecasting Weekly Lemon Prices by a Distributed Lag Model with Fourier Transform Methods" (with Dean Chen). *American Statistical Association Proceedings,* Business and Economic Statistics Section (December 1970).

"A General Framework for Aggregation in Linear Programming Models" (with Quirino Paris). *Western Agricultural Economics Association Proceedings* (July 1970).

"A Time Series Analysis of the U.S. Hog Industry." *Western Agricultural Economics Association Proceedings* (July 1969).

"Futures Price Behavior as a Stochastic Process" (with T. F. Cargill). *American Statistical Association Proceedings*, Business and Economic Statistics Section (August 1969).

Commissioned Papers, Governmental Reports, and Panel Discussion Papers

"U.S. Department of Agriculture Grain Inspection, Packers and Stockyards Administration" November 2010.

"Unintended Consequence of Proposed GIPSA Regulations" November 2010.

"An Assessment of Proposed EPA Financial Assurances Regulations" December 2010.

"Multifunctionality in the EU: pollution or politics? Implications for Canadian Trade" (with K. Baylis, S. Peplow and L. Simon). Report for Agriculture and Agri-Food Canada, December 2005.

"Agri-environmental Policy in the European Union: Who's in Charge?" (Kathy Baylis and Leo Simon). CATPRN Commissioned Paper CP 2006-4. (synopsis) www.catprn.org

"Agri-Environmental Programs in the United States and European Union" (Kathy Baylis and Leo Simon). Feedinfo 2005 http://www.feedinfo.com

"Fueling the Research Engine." *California Monthly*, 109(5), April 1999.

"Private/Public Research: Knowledge Assets and Future Scenarios. Annual meeting of the American Agricultural Economics Association, Nashville, TN, August 1999.

"Agricultural Trade Liberalization and Capital Flows in the Americas" (with James Reitzes, Roger Hickey, and Jeremy Arnone). Center for Agricultural and Rural Development, GATT Paper 96–GATT 2, December 1997.

"The Judgment Proof Opportunity" (with Klaas van 't Veld and Leo K. Simon). Discussion paper presented at the 2nd Toulouse Conference on Environmental Economics, Fondazione Eni Enrico Mattei Working Paper No. 83.97, May 1997.

"Information Asymmetries, Uncertainties, and Cleanup Delays at Superfund Sites" (with Leo K. Simon and Jinhua Zhao). Discussion paper presented at the 2nd Toulouse Conference on Environmental Economics, Fondazione Eni Enrico Mattei, Institut d'Economie Industrielle and INFRA, Toulouse, 14–16 May 1997.

"Trade Analyses and Policy Design (TAPD) Activity to Support Agriculture and Agribusiness Projects in Central and Eastern European Countries." Project report, Department of Agricultural and Resource Economics, University of California, Berkeley; coordinated by the Institute of Policy Reform (Grant No. M2055, Fund No. 79048) and funded by the U.S. Agency for International Development (Agreement PDC-0095-A-00-1126-00).

"Animal Agriculture's Impact on Water Quality in California." Panel discussion at a conference sponsored by the University of California Animal Agriculture Research Center, Agricultural Issues Center, and the Division of Agriculture and Natural Resources. Sacramento, CA, October 20, 1994.

"Multidisciplinary Problem-Solving and Issue-Oriented Work with the PC/TC Approach." Prepared for the multidisciplinary workshop, "Strategies and Agendas for the Rural Social Sciences," the Social Science Agricultural Agenda Project sponsored by The American Agricultural Economics Association, the Rural Sociological Society, the Agricultural History Society, and others, Kansas City, MO, August 1–4, 1991.

"International Policy Reform: Opportunities and Obstacles." Prepared for Plenary Presentation at the Summer 1991 Meeting of the Business-Higher Education Forum, University of California, Santa Barbara, June 27–29, 1991.

"Futures Market Performance and Behavior." Report prepared for the Managed Futures Symposium, New York, May 1–3, 1991.

"Urban Labor Markets and Economic Policy/Institutional Reform: Summary of a Workshop" (one of many collaborators). Development Discussion Paper No. 329 (Economic Policy Series). Cambridge: Harvard Institute for International Development, April 1990.

"Professional Relationships and the Role of Increasing Sophistication: Agricultural Economics and Economics" (with Richard E. Just). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, August 1989.

"United States Pledging Statement." Report to the 32nd Meeting of the Intergovernmental Group on Indonesia. The Hague, Netherlands, June 1989.

"The Structure of the Intergovernmental Group on Indonesia." The Hague, Netherlands. Unpublished report to the 32nd Meeting of the Intergovernmental Group on Indonesia, June 1989.

"A New Approach to Country Development Strategy Statements." Report to the Administrator, Agency for International Development, May 1989.

"Privatization and the Provision of Social Services." Confidential report to the Administrator, Agency for International Development, April 1989.

"The Thailand Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, March 1989.

"The Philippines Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, March 1989.

"The Pakistan Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, March 1989.

"Major Economic Constraints, Challenges and Objectives of the U.S. Foreign Assistance Program." Position paper to the Administrator, Agency for International Development. Unpublished, March 1989.

"The Indonesia Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, March 1989.

"The Bangladesh Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, March 1989.

"The Afghanistan Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, March 1989.

"Third World Debt and A.I.D.'s Position." Confidential Report to the Administrator, Agency for International Development, January 1989.

"An Institute for Policy Reform." Position paper to the Administrator, Agency for International Development. Unpublished, January 1989.

"An Economic Development Consortium." Position paper to the Administrator, Agency for International Development. Unpublished, January 1989.

"An A.I.D. Economic Research Associate and Fellowship Program." Position paper to the Administrator, Agency for International Development. Unpublished, January 1989.

"Toward a Framework for the Design of Internal Agricultural Policy Reform." Report presented to the Economic Research Service, U.S. Department of Agriculture, 1988.

"The Honduras Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, November 1988.

"The Guatemala Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, November 1988.

"Government Credibility, Partial Compensation, and the Market for Policy Reform." Report to the International Agricultural Trade Consortium, August 1988.

"The El Salvador Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, November 1988.

"The Costa Rica Mission and Economic Analytical Support." Confidential Report to the Administrator, Agency for International Development, November 1988.

"Determination of the Predominance of Various Expectation Patterns in Commodity Future and Spot Markets" (with Richard E. Just). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley 1988.

"Restructuring the Farm Credit System" (with Susan Woodward). Confidential Report to the Farm Credit Administration, Washington, DC, 1987.

"The Effects of U.S. Macro and Micro Policies on LDC Debtors: Measuring Commodity Price Linkages" (with Marjorie Rose). Report presented to the International Monetary Fund. Washington, DC, 1987.

"The Environmental Effects of U.S. Agriculture and Food Policies: The Case of Water Quality and Quantity." Confidential Report presented to the Environmental Protection Agency, Washington, DC, 1987.

"The Design and Implementation of Public Policy Reform." Report to the Agency for International Development, Washington, DC, 1987.

"Political Failure and the Reform of Agricultural Policy." Paper presented to the Australian Society of Agricultural Economics, Adelaide, Australia, February 1987.

"Necessary and Sufficient Conditions for Policy Reform." Report to the Agency for International Development, Washington, DC, 1987.

"GATT Negotiations and Agriculture: Alternative Measures of Government Intervention." Confidential Report presented to the U.S. Trade Representative, Washington, DC, 1987.

"Agriculture Research: The Incidence of Burden in the Public and Private Sector." Confidential Report to the Agriculture Research Service, U.S. Department of Agriculture, 1987.

"Political Failure and the Design of U.S. Agricultural Policy." In The Science of Agriculture and Natural Resources—A Foundation for the Future. Berkeley: Division of Agricultural and Natural Resources, University of California, 1986.

"Sources of Misery in California and U.S. Agriculture." Report presented to the California League of Women Voters, Los Angeles, CA, 1986.

"Effects of Dollar Value Changes." Report to the Conference on Pacific Rim: Issues and Opportunities. California Agricultural Trade Seminars, 1986.

"Political Failure and the Design of U.S. Agricultural Policy." Town Hall California Reporter, March/April, 1987, pp. 3–4.

"Multiple Effects of Exchange Rates on Import Demand: The Case of U.S. Agricultural Trade with Japan" (with Yasuo Nishiyama). University Of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1986.

"Information, Risk Allocation, Transaction, and Linkage Efficiencies in Futures Markets" (with William E. Foster, Dermot Hayes, and Nicholas Walraven). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1986.

"Lead-Lag Price Relationships Among Commodity Futures Markets" (with Colin A. Carter). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1985.

"Real Income Stabilization and Food Security for LDC's" (with Kathryn M. Gordon). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1984.

"The Efficiency and Equity Implications of Policy Alternatives in Agricultural Systems of LDCs" (with Richard E. Just and David Zilberman). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1982.

"Post-Bayesian Statistical Inference" (with Arnold Faden). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1982.

"An Optimal Dynamic Hedging Model for Grains" (with Ray Nelson and Andrew Schmitz). University of California, Department of Agricultural and Resource Economics. Unpublished manuscript, Berkeley, 1981.

"Construction of Decision Support Systems for Agricultural Marketing Boards and Other Public Agencies in Less Developed Countries: Part I" (with Joseph Yassour). AID Contract No. AID/DSAN-C-0001, Washington, DC, 1979.

"Construction of Decision Support System for the National Grains Authority of the Philippines: Part II" (with Joseph Yassour). AID Contract No. AID/DSAN-C 0001, Washington, DC, 1979.

"Development of Iowa Coal: A Systems Analytical Approach" (with R. Levins and A. Pagoulatos). Iowa State University, Energy and Mineral Resources Research Institute Report No. IS-ICP-9, Ames, IA, 1975.

"The Feasibility of Mining Coal in Iowa: An Economic Evaluation" (with R. A. Levins and M. D. Boehlje). Iowa State University, Energy and Mineral Resources Research Institute Report No. IS-ICP-6, Ames, IA, 1975.

"The Commonwealth Edison System" (with G. Fishelson). University of Chicago, Urban Economics Report, Chicago, 1975.

"Environmental Impacts of an Electrical Energy Systems Growth" (with G. Fishelson). University of Chicago, Urban Economics Report, Chicago, 1975.

"Environmental Effects of Altering the Existing Commonwealth Edison System" (with G. Fishelson). University of Chicago, Urban Economics Report, Chicago, 1975.

"Taxes as Solutions to Externalities" (with R. Zerbe). University of Chicago, Urban Economics Report, Chicago, 1974.

"Enforcement, Transaction Costs, and Monitoring of Pollution" (with G. Fishelson). University of Chicago, Urban Economic Report, Chicago, 1974.

"Approximate Adaptive Control Solutions to the U.S. Beef Trade Policy Problem." (with J. W. Freebairn). University of Chicago, Center for Mathematical Studies in Business and Economics, Report No. 7337, Chicago, 1973.

"Learning, Production, and Investment in Natural Resource Industries." University of Chicago, Center for Mathematical Studies in Business and Economics, Report No. 7336, Chicago, 1973.

"A Dynamic Econometric Model of the California-Arizona Orange Industry." Unpublished Ph.D. dissertation, University of California, Davis, 1971.

Working Papers

"Property Rights and Water Transfers: Bargaining among Multiple Stakeholders", June 2010.

"The Giannini Foundation and the Welfare of California Agriculturalists in a Changing State, Nation and World", CUDARE Working Paper, February 2009.

"Property Rights and Water Transfers: Bargaining Among Multiple Stakeholders" with Leo K. Simon and Susan E. Stratton. CUDARE Working Paper, forthcoming

"Managing R&D Risk in Renewable Energy" (with Maya Papineau) Department of Agricultural & Resource Economics, UCB. CUDARE Working Paper 1058. June 2008.

"Unintended Consequences: The Spillover Effects of Common Property Regulations" (with Marty Kovach, Ryan Stifter and Stephen Hamilton). Department of Agricultural and Resource Economics Working Paper No. 1053, University of California, Berkeley, March 2008

"Pollution and Land Use: Optimum and Decentralization" (with Richard Arnott and Oded Hochman), Department of Agricultural and Resource Economics Working Paper No. 1054, University of California, Berkeley, March 2008.

"The Political Economy of Groundwater Management in California" (with Susan E. Stratton).

"Optimal Taxation with Joint Production of Agriculture and Rural Amenities" (with G. Casamatta and L.K. Simon).

"Domestic Support Disciplines in the WTO" (with H.D. Gorter, Q. Luong, and L.K. Simon).

"Incentives and tradeoffs for politicians in the policy setting process" (with Ricardo H. Cavazos-Cepeda) submitted to 2007 MPSA Conference.

"Option Values and Externalities from Public/Private Interaction in Agricultural Research" (with Jason A. Winfree and Jill J. McCluskey). Presented at the 2005 Annual Meeting of American Agricultural Economics Association (AAEA), August 2005.

"Law in Vertical Market Structures: The Role of Benefit-Cost Analysis" (with Richard E. Just).

"Causes of Multifunctionality: Pollution or Politics?" (with Kathy Baylis, Stephen Peplow and Leo Simon). Food and Resource Economics Working Paper, 2005-01. University of British Columbia. http://agecon.lib.umn.edu/cgi-bin/pubview.pl?pubid=78

Agri-Environmental Programs in the United States and the European Union (with Kathy Baylis, Stephen Peplow and Leo Simon). Food and Resource Economics Working Paper, 2004-06. University of British Columbia.

"Does Community Involvement Matter? How Collective Choice Affects Forests in Mexico" (with Camille Antinori). Department of Agricultural and Resource Economics Working Paper No. 939, University of California, Berkeley, January 2003. http://repositories.cdlib.org/are_ucb/939/

"The Social Costs of an MTBE Ban in California" (with Gregory D. Adams, W. David Montgomery and Anne E. Smith). Department of Agricultural and Resource Economics Working Paper No. 932. University of California, Berkeley, June 2002.

"The Social Costs of an MTBE Ban in California (Condensed Version)" (with Gregory D. Adams, W. David Montgomery and Anne E. Smith). Department of Agricultural and Resource Economics Working Paper No. 931. University of California, Berkeley, June 2002.

"Complementarities and spill-overs in agricultural biotechnology mergers" (with Alan C. Marco). Department of Agricultural and Resource Economics Working Paper No. 930. University of California, Berkeley, June 2002.

"Fitting the Glass Slipper: Optimal Capital Structure in the Face of Liability" (with Klaas T. van 't Veld and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 917. University of California, Berkeley, October 2000.

"Vertical Integration in Mexican Community Forestry" (with Camille M. Antinori). Department of Agricultural and Resource Economics Working Paper No. 915. University of California, Berkeley, October 2000.

"Environmental Remedies: An Incomplete Aggregation Game" (with Leo K. Simon and Jinhua Zhao). Berkeley Program in Law & Economics, Working Paper Series, Year 2000, Paper 21. http://repositories.cdlib.org/blewp/21/

"Valuing Research Leads: Bioprospecting and the Conservation of Genetic Resources" (with Arthur A. Small). Berkeley Program in Law & Economics, Working Paper Series, Year 2000, Paper 20. http://repositories.cdlib.org/cgi/viewcontent.cgi?article=1022&context=blewp

"A Matlab Version of the Multilateral Bargaining Model Applied to the Ardour Case Study" (with R. Goodhue, S. Morardet, P. Rio, L. Simon and S. Thoyer). Working Paper, Cemegraf, Montpellier, France.

"Les Formes Institutionnelles de la Gestion de l'Eau en France et en Californie: Droits de propriete, decentralization et delegation" (with R. Goodhue, S. Morardet, P. Rio, L. Simon and S. Thoyer). Department of Agricultural and Resource Economics Working Paper. University of California, Berkeley, 1999.

"Intellectual Property and Market Structure in Agriculture" (with Leo K. Simon and Suzanne Scotchmer). Department of Agricultural and Resource Economics Working Paper No. 880, University of California, Berkeley, April 1999.

"Bioprospecting with Patent Races" (with Arthur Small). Department of Agricultural and Resource Economics Working Paper No. 878, University of California, Berkeley, 1999.

"The Basis for Political Preference Functions and Implications for Use" (with Jill J. McCluskey). Department of Agricultural and Resource Economics Working Paper No. 876, University of California, Berkeley, 1999.

"Zoning as a Control of Pollution in a Spatial Environment" (with Oded Hochman). Department of Agricultural and Resource Economics Working Paper No. 875, University of California, Berkeley, January 1999.

"A Dynamic Model of the Food Processing Sector in the New Market Economies of Central Europe" (with Rachael E. Goodhue, Robert Lyons, and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 859, University of California, Berkeley, May 1998.

"Processor Placements and Producer Incentives: Analyzing Broiler Chicken Production Contracts" (with Rachael E. Goodhue and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 858 rev., University of California, Berkeley, February 2000.

"Cleanup Delays at Hazardous Waste Sites: An Incomplete Information Game" (with Leo K. Simon and Jinhua Zhao). Department of Agricultural and Resource Management Working Paper No. 839, University of California, Berkeley, April 1999.

"A Computable Model of Eastern European Food Processing" (with Rachael E. Goodhue, Robert Lyons, and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 838, University of California, Berkeley.

"Product Quality and Off-Farm Control: Fresh and Processed Tomatoes" (with Rachael E. Goodhue). Department of Agricultural and Resource Economics Working Paper, University of California, Berkeley.

"A Bayesian Model of Market Learning" (with Rachael E. Goodhue and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 837, University of California, Berkeley.

"Public and Private Provision of Public and Private Goods: A Bargaining-Theoretic Perspective" (with Leo K. Simon). Department of Agricultural and Resource Management Working Paper No. 836, University of California, Berkeley, March 1998.

"The Market for Genetic Resources: Prior Information and Conservation Incentives." Working Paper No. 831. Department of Agricultural and Resource Economics, University of California, Berkeley, 1998.

"Environmental Activism and the Public Interest (with Jill J. McCluskey). Department of Agricultural and Resource Economics Working Paper No. 802, University of California, Berkeley.

"Intellectual Property Rights and Market Structure in Agricultural Biotechnology" (with Arthur Small and Seung Jick Yoo). Department of Agricultural and Resource Economics Working Paper No. 799, University of California, Berkeley.

"Bioprospecting with Prior Ecological Information" (with Arthur Small). Giannini Foundation Working Paper No. 819, 1997.

"The Economic Value of Patents, Licenses, and Plant Variety Protection" (with Arthur A. Small). Department of Agricultural and Resource Economics Working Paper No. 797, University of California, Berkeley, June 1996. http://repositories.cdlib.org/are_ucb/797

"The Analytical Framework for the TAPD Project" (with Rachael E. Goodhue, Robert Lyons and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 762, University of California, Berkeley.

"Political Preference Functions and Political Economic Modelling" (with Leo K. Simon and Klaas van 't Veld). Department of Agricultural and Resource Economics Working Paper No. 743, University of California, Berkeley.

"Inequality and the Choice of Redistributive and Public Good Policies: The Case of Agriculture" (with Harry de Gorter and Johan F.M. Swinnen). Department of Agricultural and Resource Economics Working Paper No. 742, University of California, Berkeley.

"Independence of Irrelevant Alternatives and Political Economy: A Critique and an Alternative" (with Leo K. Simon and Klaas T. van 't Veld). Department of Agricultural and Resource Economics Working Paper No. 720, University of California, Berkeley.

"The Economics of Remediation: The Decision Problem Facing a Single PRP" (with Leo K. Simon and Jinhua Zhao). Department of Agricultural and Resource Economics Working Paper No. 711, University of California, Berkeley.

"The Political Economy of Transition: A Bargaining Theoretic Approach" (with Robert F. Lyons and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 709, University of California, Berkeley.

"Instrument Selection in a Bargaining Model of Agricultural and Environmental Policy Reform" (with Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 708, University of California, Berkeley.

"Putty-Clay Politics in Transition Economies" (with Robert F. Lyons and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 707, University of California, Berkeley, May 1996.

"Multilateral Bargaining in a Spatial Environment: Preliminary Results" (with Glenn W. Harrison, Ron Harstad, and Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 670, University of California, Berkeley.

"Transition to a Market Economy: The Case of Russia." Department of Agricultural and Resource Economics Working Paper No. 666, University of California, Berkeley.

"A Strategic Model of Environmental Dispute Resolution" (with Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 662, University of California, Berkeley.

"The Political Economy of Productive and Predatory Policies: The Case of U.S. Dairy Policy" (with Harry de Gorter and David Nielson). Department of Agricultural and Resource Economics Working Paper No. 661, University of California, Berkeley.

"Academic Research in Future Markets Performance and Behavior." Department of Agricultural and Resource Economics Working Paper No. 656, University of California, Berkeley.

"International Policy Reform: Opportunities and Obstacles." Department of Agricultural and Resource Economics Working Paper No. 653, University of California, Berkeley.

"Commodity Versus Research Policies under Endogenous Political Weights" (with Harry de Gorter and Jo Swinnen). Department of Agricultural and Resource Economics Working Paper No. 649, University of California, Berkeley.

"A Framework for Analyzing Specific Agricultural Policy Reform" (with Richard E. Just and David Zilberman). Department of Agricultural and Resource Economics Working Paper No. 647, University of California, Berkeley, April 1993.

"Burden Sharing and Public Good Investments in Policy Reform: A Numerical Sensitivity Analysis" (with Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 637, University of California, Berkeley, February 1991.

"Burden Sharing and Public Good Investments in Policy Reform" (with Leo K. Simon). Department of Agricultural and Resource Economics Working Paper No. 635, University of California, Berkeley, September 1992.

"Interactions Among Money, Exchange Rates, and Commodity Prices" (with Pier Giorgio Ardeni). Department of Agricultural and Resource Economics Working Paper No. 621, University of California, Berkeley, March 1992.

"A Noncooperative Model of Collective Decision Making: A Multilateral Bargaining Approach" (with Leo Simon). Department of Agricultural and Resource Economics Working Paper No. 620, University of California, Berkeley.

"Food Security, Land Allocation, and Country Hedging: A Case Study of China" (with Jianmin Liu). Department of Agricultural and Resource Economics Working Paper No. 594, University of California, Berkeley.

"Policy Preference Functions: Grand Themes and New Directions" (with H. Alan Love and Diana M. Burton). Department of Agricultural and Resource Economics Working Paper No. 571, University of California, Berkeley, May 1990.

"Coupling Wealth Transfer Under Uncertain Rates of Technical Change (with William E. Foster). Department of Agricultural and Resource Economics Working Paper No. 542, University of California, Berkeley, August 1990.

"LDC Debt and Policy Linkages in the Determination of World Commodity Prices" (with Coleman Bazelon). Department of Agricultural and Resource Economics Working Paper No. 538, University of California, Berkeley, June 1990.

"Endogenous Policy Theory: The Political Structure and Policy Formation" (with Pinhas Zusman). Working Paper No. 537. Department of Agricultural and Resource Economics, University of California, Berkeley, 1990.

"The Role of Institutions and Policy Reform in U.S. Foreign Assistance." Working Paper No. 522, Department of Agricultural and Resource Economics, University of California, Berkeley, 1990.

"Endogenizing U. S. Milk Price Supports" (with Harry de Gorter). Department of Agricultural and Resource Management Working Paper No. 504, University of California, Berkeley, 1989.

"Flexible Public Policy: The Case of the United States Wheat Sector" (with H. Alan Love). Department of Agricultural and Resource Management Working Paper No. 494, University of California, Berkeley, 1988.

"Agricultural Policy in Economies with Uncertainty and Incomplete Markets" (with Robert D. Innes). Department of Agricultural and Resource Economics Working Paper No. 457, University of California, Berkeley, 1987.

"Monetary Policy and Relative Farm Prices" (with James A. Chalfant and Kostas G. Stamoulis). Department of Agricultural and Resource Economics Working Paper No. 413, University of California, Berkeley.

"Futures Market and Efficiency" (with Nicholas A. Walraven). Department of Agricultural and Resource Economics Working Paper No. 411, University of California, Berkeley, 1986.

"Macroeconomics, Overshooting, and the U.S. Agriculture Sector" (with Yasuo Nishiyama and Kostas G. Stamoulis). Department of Agricultural and Resource Economics Working Paper No. 410, University of California, Berkeley, 1986.

"The Effects of Monetary Policy on U.S. Agriculture" (with James A. Chalfant, H. Alan Love, and Kostas G. Stamoulis). Department of Agricultural and Resource Economics Working Paper No. 409, University of California, Berkeley, 1986.

"Exchange Rates: Backward Linkage on U.S. Agriculture—The Case of Japan" (with Yasuo Nishiyama). Department of Agricultural and Resource Economics Working Paper No. 389, University of California, Berkeley, 1985.

"Monetary Policies and the Overshooting of Flexible Prices: Implications for Agricultural Policy" (with James A. Chalfant and Kostas G. Stamoulis). Department of Agricultural and Resource Economics Working Paper No. 372, University of California, Berkeley, 1985.

"Farm Capital Structure and the Agency Cost of Outside Equity Ownership" (with Kathryn M. Gordon). Department of Agricultural and Resource Economics, University of California, Berkeley, 1990.

CASE STUDIES

Harvard University, Graduate School of Business Administration
Spring, 1978

Biogas of Colorado.
Biotechnology and Agribusiness.
Costs and Benefits of Models and Their Use in the Food Sector.
Crown Zellerbach and the Management of Natural Resources.
DRI Commodity Management Consultants.
Effective Management and Utilization of Information Systems.
Food Conglomerate, Inc.
MacIntosh Chocolate Company (a).
MacIntosh Chocolate Company (b).
MacIntosh Chocolate Company (c).
MacIntosh Chocolate Company (d).
Manual for Designing, Constructing, and Using a Decision Support System.
Note on Agricultural Sector Forecasts and Policy Evaluations.
Note on Market Risk in Agribusiness.
Note on Strategic Policy Evaluations.
The Philippines National Rice and Grain Authority
Strategy in the U.S. Pharmaceutical Industry
Tariff and Nontariff Trade Barriers
The World Bank and Agriculture in Less Developed Countries.

Spring, 1977

Agricultural Chemical International.
Contractual Relationships in the Turkey Industry.
Contractual Relationships in the Beet Sugar Industry.
Fed-Rite Food Distribution.
Forecasting in the Food Freezing Sector.
High Fructose Corn Syrup Manufacturing (a).
High Fructose Corn Syrup Manufacturing (b).
Note on Risk Management Frameworks.
Pricing, Product Differentiation, and U.S. Pharmaceutical Markets
Proposals for Grain Reserves.
Spreckels Sugar Division (a).
Spreckels Sugar Division (b).
U.S. Feed Grain Reserve Policy.

Fall, 1976

Choosing Among Risk Profiles.
Importance of a Good Forecasting System.

Spring, 1976

Chase Econometric Associates, Inc.
Chemical Bank (a).
Chemical Bank (b).
Common Commodity Future Market Fund.
Data Resources, Inc.
Design and Implementation of Decision Models.
Florida Department of Citrus.
Food Grain Import Policies in Bangladesh (a).
Food Grain Import Policies in Bangladesh (b).
Hedging and Pure Speculation.
Israel Poultry Marketing Board.
Rancho Matilija.
Statistical Decision Theory Frameworks.
Thomte and Company.

Spring, 1974

Simulation Models in Agribusiness.
Survey and Use of Decision Support Systems.

SELECTED KEYNOTE OR PLENARY SESSION PRESENTATIONS

"Is Biofuel a Good Investment?" Presented at the Third Berkeley Conference on the Bioeconomy, Berkeley, CA, April 2010.

"Political Institutions, Governance Structures and Food Policy" (with Johann Swinnen), Allied Social Science Associations Annual Meeting, Atlanta, GA, January 2010.

"Modeling OTC Derivatives", ARE Departmental Seminar presentation, UC Berkeley, November 2009.

"Risk and biofuels" (with Maya Papineau). Presented at *The Biofuel Situation and Policies in Developing Countries* conference, Berkeley, CA, May 2009.

"Special Interests Versus the Public Interest: The Determination of Policy Instruments" (with Gerard Roland) with Gerard Roland, World Bank Conference, 2008.

"U.S. versus E.U. Biotechnology Regulations and Comparative Advantage: Implications for Future Conflicts and Trade" (with Gal Hochman and David Zilberman. Presented at the European Commission Transatlantic Biosafety and Biodiversity collaborative research workshop at UC Berkeley, December 11-12, 2008.

"Managing R&D Risk in Renewable Energy" (with Maya Papineau) Presented at *Risk, Infrastructure, and Industry Evolution* conference, June 2008.

"Commodity Price Boom: Implications for California Agriculture, Resources and Environment", Presented at President's Advisory Commission on Agriculture and Natural Resources, April 2008.

"Agricultural Biotechnology in California and the EU", Presented at EU-California Regulatory Cooperation Project Workshop, February 2008.

"Collective Choice: A Multilateral Bargaining Approach" Presented at Beijing University, May 2007.

"Property rights and collective action in natural resources with application to Mexico", presented June 2007, Casa de California, Mexico City.

"Second Stage: Political Economy Analysis of Distortion Patterns" Presented at Political Economy of Distortions to Agricultural Incentives conference, July 2007.

"Political Economy of Distortion Patterns Across Time and Countries." Presented at The World Bank Conference on Distortions to Agricultural Incentives in Developing Countries, Bellagio Center, Bellagio, Italy, November 2006.

"General Equilibrium in Vertical Market Structures: Monopoly, Monopsony, Predatory Behavior and the Law." (with Richard E. Just) Benefit-Cost Analysis Conference, University of Washington, Seattle, Washington May 18-19, 2006.

"The Giannini Foundation and the Welfare of California Agriculturalists in a Changing State, Nation, and World." The Giannini Foundation of Agricultural Economics 75th Anniversary Symposium, UC Davis, California, May 3, 2006.

"Money and Control: Generating Transfer Water in California's Imperial Valley" (with Leo Simon and Susan Stratton). Conference of the International Association of Agricultural Economists, Queensland, Australia, 12-18 August, 2006.

"Complementarities across Quality Incentive Instruments" (with Rachael Goodhue). Annual Meeting of the Allied Social Science Associations, Boston, Massachusetts, January 6-8, 2006.

"Option Values and Externalities from Public/Private Interaction in Agricultural Research" (Jason A. Winfree and Jill J. McCluskey). Presented at the Annual Meeting of American Agricultural Economics Association (AAEA), August 2005.

"Causes of Multifunctionality: Externalities or Political Pressure?" (with Kathy Baylis, Stephen Peplow and Leo Simon) Annual Meetings of the Western Agricultural Economics Association, San Francisco, California, July 6-8, 2005.

Nutrition, Food, Policies, and Obesity, American Agricultural Economics Association Annual Meeting, invited principal paper presentation, Providence, Rhode Island, July 24–27, 2005.
"Governance Structures and Multilateral Bargaining in Natural Resource Systems," Toulouse Roundtable on Economic Policy-tribute to Jean Jacques Laffont, June 30–July 2005, Toulouse, France

"The political economy of agri-environmental policies in the U.S. and the EU," Institute of European Studies Center for Governance and Institutions, University of California, Berkeley, May 27–28, 2005.

"Are Environmental Toxins a Source of Health Shocks to Children? Evidence from Hispanic Children in the U.S." (with Bo MacInnis). Presentation at the 2005 Annual Meeting of American Economic Association, Philadelphia, Pennsylvania, January 7–9, 2005.

"Property Rights and Water Transfers: Bargaining Among Multiple Stakeholders" with Leo K. Simon and Susan E. Stratton. Selected for presentation at the Center for Sustainability, Environment, Equity and Partnership's International Conference on "Security and Sustainability in Water Resources" in Kathmandu, Nepal, September 6-9, 2004.

"Transaction Costs and Organic Marketing: Evidence from U.S. Organic Produce Farmers" (with Bo MacInnis). Presented at the 2004 Annual Meeting of American Agricultural Economics Association (AAEA), Denver, Colorado, August 1–4, 2004.

"Vulnerable Children: The Case of Pesticide Exposure and Hispanic Children" (with Bo MacInnis). Presented at the 2004 Annual Meeting of American Agricultural Economics Association (AAEA), Denver, Colorado, August 1–4, 2004.

Structure and Power in Multilateral Negotiations: An Application to French Water Policy, Society for Economic Design 2004 (SED 2004), Universitat de les Illes Balears, Palma de Mallorca, Spain, June 29–July 3, 2004.

Price-Location Games when Consumers Have Heterogeneous Tastes," with Leo K. Simon. Presented at the 6th INRA-IDEI (Institut National de la Recherche Agronomique-Institut d'Economie Industrielle) Conference "Industrial Organization and the Food Processing Industry," June 4–5, 2004 in Toulouse, France.

Stan Johnson: A Giant Among Mentors, Opening invited address, Exploring Frontiers in Applied Economics, A Symposium in Honor of Stanley R. Johnson, Iowa State University, Ames, IA, October 24–25, 2003. Published electronically in Essays in Honor of Stanley R. Johnson: http://www.bepress.com/sjohnson/art5.

John Kenneth Galbraith: The Early Years, (with Susan Stratton), First Galbraith Forum/Lecture of the Galbraith Commemorative Project, 2003 Annual Meeting AAEA Foundation, Keynote Speaker for Tribute to John Kenneth Galbraith, Montreal, Quebec, July 28–30, 2003.

Agri-environmental Programs and the Future of the WTO (with Leo Simon and Kathy Baylis), Capri, Italy, June 24–26, 2003.

Canada-U.S. Agricultural Policy and the WTO, Keynote Speaker, Conference of the Canadian Studies Program, International and Area Studies Institute, University of California, Berkeley, CA, May 9, 2003.

Incomplete Aggregation Games (with Leo Simon), Department of Agricultural and Resource Economics Seminar, University of California, Berkeley, CA, May 9, 2003.

"Potential Financial Innovations in the Development of Biodiversity and Renewable Resources," presentation at the Milken Institute, April 2003.

Public-Private Research Agreements: Where Does the Control Reside? Distinguished Speaker Seminar, Michigan State University, Lansing, MI, November 14, 2002.

Complementarities and Spill-overs in Mergers: An Empirical Investigation Using Patent Data (with Alan Marco). Eleventh Annual WZB Conference on Industrial Organization, Innovation Policy in International Markets, Social Science Research Center Berlin WWZB) and the Centre for Economic Policy Research (CEPR), Berlin, October 2002.

Structure and Power in Multilateral Negotiations: An Application to French Water Policy, (with Leo Simon, Rachael Goodhue and Sylvie Morardet). Second World Congress of Environmental and Resource Economists, Monterey, CA, June 2002.

Genetic Resource Libraries: Bioprospecting and Knowledge Assets, (with Arthur Small). Second World Congress of Environmental and Resource Economists, Monterey, CA, June 2002.

Ecological Effects of Timber Contracting in Mexico's Community Forestry Organizations, (with Camille Antinori). Second World Congress of Environmental and Resource Economists, Monterey, CA, June 2002.

Financial Contracts Embedded in R&D Agreements. Natural Resource Management, Growth and Political Economy: A symposium in honor of Professor Eithan Hochman, Hebrew University, Rehovot, Israel, June 3, 2002.

A Financial Contracting Approach to Public/Private Relationships. Tweeten Seminar, Ohio State University, May 30, 2002. Public/Private Research Agreements. CSHE 2001–2002 Grant Recipients Colloquium, Berkeley, CA, May 10, 2002.

Public-Private Relationships in Horticulture R&D. Workshop on Biotechnology for Horticultural Crops, Monterey, CA, March 7–9, 2002. Structuring Public/Private Research Agreements. Conacyt Workshop on University-Industry Collaboration, University of California, Berkeley, December 4, 2001.

Structuring Public/Private Research Agreements. Beahrs Environmental Leadership Program, Workshop 6: "Innovation, Technology, and Entrepreneurship," Berkeley, CA, July 23, 2001.

Genetic Resource Libraries: Bioprospecting and Knowledge Assets (with Arthur Small). NCEAS Workshop on Economics of Biodiversity, Santa Barbara, CA, May 2001.

Conceptual Foundations of Expectations and Implications for Estimation of Risk Behavior (with Richard Just). Annual Meetings of Regional Project SERA-IEG 31: Economics and Management of Risk in Agriculture and Natural Resources, Gulf Shores, AL, March 22–24, 2001.

Incentives for Innovation. NC208 Conference: R&D Policies and Impact Assessment, Berkeley, CA, March 30–31, 2001.

Public Universities and Agricultural Biotechnology, American Association for the Advancement of Science Annual Meeting and Science Innovation Exhibition, Session on the Public Sector's Role in Agricultural Biotechnology, San Francisco, CA, February 18, 2001.

Structuring Public/Private Research Agreements. 2001 Agriculture Program Conference, Texas A&M University, College Station, TX, January 10, 2001.

Mergers and Intellectual Property in Agricultural Biotechnology, (with Alan Marco). ICABR Fourth International Conference on the Economics of Agricultural Biotechnology, Ravello, Italy, August 24–28, 2000.

Biotechnology R&D in Developing Countries: Negotiating Public-Private Research Partnerships, (with Leo Simon and Holly Ameden). Fourth International Conference on the Economics of Agricultural Biotechnology, Ravello, Italy, August 24–28, 2000.

Second-Phase Reform Measures in Latin America. Meeting of the Boards of Governors IDB/IIC at the Conference: Development of the Rural Economy and Poverty Reduction in Latin America and the Caribbean, New Orleans, LA, March 24, 2000.

Knowledge Gaps, Private/Public Alliances. Fontagro Research Design Conference, Texas A&M University, College Station, TX, November 11, 1999.

Knowledge Gaps, Private/Public Alliances: Interfaces Seminar, Columbia University, New York, NY, November 10, 1999.

Negotiating Public/Private R&D Alliances. Assessing the Impact of Agricultural Research on Poverty Alleviation. GIAT Conference, San José, Costa Rica, September 16, 1999.

What Future for Agriculture as a Knowledge Based Industry. USDA, ERS, Washington, DC, August 12, 1999.

Do Incentives Matter? Product Quality and Contract Incentives in Processing Tomatoes. Presented to AAEA Conference, Nashville TN, August 11, 1999.

Public and Private Research: Knowledge Assets and Future Scenarios. Fellows Keynote Address. AAEA Conference, Nashville TN, August 10, 1999.

Intellectual Property and Market Structure in the Biotechnology Industry. AAEA Conference, Nashville TN, August 8–11,1999.

Intellectual Property and Market Structure in Agriculture. National Bureau of Economic Research Summer Institute, July 19, 1999.

Intellectual Property, Complementarities and Competition: Assessing Organizational Changes in Agbiotech. Transitions in Agbiotech Conference, Washington DC, June 24–25, 1999.

Intellectual Property and Market Structure in Agriculture. Conference on "The Shape of Coming Agricultural Biotechnology Transformation: Strategic Investment and Policy Approaches from an Economic Perspective," Rome, Italy, June 17, 1999.

Agricultural Biotechnology's Complementary Intellectual Assets. Conference on "The Shape of Coming Agricultural Biotechnology Transformation: Strategic Investment and Policy Approaches from an Economic Perspective," Rome, Italy, June 17, 1999.

Opening Session Remarks. Wildlife Management Institute, 64th North American Wildlife and Natural Resources Conference. Burlingame, CA, March 29, 1999.

Intellectual Property and Market Structure in Agriculture. R&D Investment and Economic Growth in the 20th Century Conference, Berkeley, CA, March 27, 1999.

The New Rent Seeking: Implications for International Trade. Agricultural Globalization, Trade and the Environment Conference. Berkeley, CA, March 8–9, 1999.

Alignment of Public/Private Institutions in the Biotechnology Revolution. USDA Agricultural Outlook Forum, Washington DC, February 22–23, 1999.

What will the Impact of Intellectual Property Issues be on the Practice of Agriculture in the Future of California. DANR Statewide Conference, Sacramento, CA, February 2, 1999.

The Market for Genetic Resource Conservation. Association of Environmental and Resource Economists Papers Sessions at the Allied Social Science Associations 1999 Annual Meeting. New York, NY, January 4, 1999.

Intellectual Property and Alignment of Public and Private Incentives. "Biotechnology, 1998: From Research Pipeline to Marketplace." Heidrick Museum, Woodland, CA, November 11, 1998.

Collective Choice in Water Resource Systems. "Workshop on the Political Economy of Water Pricing Implementation." The World Bank, Washington DC, November 3–5, 1998.

Deriving Biodiversity Option Value within a Model of Biotechnology Research and Development. Conference on "Valuing and Managing Ecosystems: Economic Research." NSF/EPA, Washington, DC, October 29, 1998.

University/Private Agreements and Public Good Research. University-wide Patent Coordinators Meeting, Soizic Cafe, Oakland, CA, October 15, 1998.

A Bayesian Model of Market Learning. Department of Agricultural and Resource Economics, University of California, Berkeley seminar, May 1998; and at Stonybrook conference on Interactive Dynamics and Learning, July 1998.

Intellectual Property and Alignment of Public and Private Incentives: Crowding In Public Good Research. "Knowledge Generation and Transfer: Implications for Agriculture in the 21st Century." Faculty Club, University of California, Berkeley, June 18–19, 1998.

American Agricultural Politics. Workshop, Council for Economy Analysis, Paris, France, May 29, 1998.

Water Resource Systems in California and France: Similarities and Differences. University of Montepellier faculty, May 30, 1998.

Valuing Biodiversity. Prepared for "Managing Human-dominated Ecosystems," Missouri Botanical Garden. St. Louis, MO, March 27, 1998.

What Future for California Agriculture—Where Are We Going? California Citrus Expo, Visalia, CA, March 12, 1998.

What Future for California Agriculture? Chancellor's Agricultural Advisory Council. University of California, Riverside, December 2, 1997.

Stigmatized asset value: is it temporary or permanent? (with J McCluskey) Presented at the University of California, Berkeley, CA, Real Estate Ph.D. Seminar at the Haas School of Business, November 1997.
What Future for Agriculture? California Commodity Committee Annual Meeting. Davis, California, October 29, 1997.

Food Security, Diversification, and Resource Management; Refocusing the Role of Agriculture. International Conference of Agricultural Economists, Sacramento, California, August, 1997.

Value Differentiation. American Agricultural Economics Association, July 1997.

Value Differentiation in Agriculture: Driving Forces and Complementarities. Prepared for "Vertical Relationships and Coordination in the Food System." Universita Cattolica del Sacro Cuore, Piacenza, Italy, June 1997.

Value Differentiation in Agriculture: Driving Forces and Complementarities. "Vertical Relationships and Coordination in the Food System," University of California, Berkeley, June 12–13, 1997.

Stigma of environmental damage or residential property values (with J McCluskey). Presented at the American Agricultural Economics Association Meeting, Toronto, Canada, 1997.

Value Differentiation and the Broiler Industry. University of Paris, May 13, 1997.

Deriving Biodiversity Option Value within a Model of Biotechnology Research and Development. 1997 Workshop on Valuation and Environmental Policy. NSF/EPA Partnership for Environmental Research. Arlington, Virginia, April 7–8, 1997.

Taking Responsibility for our Environments. 3rd Annual Environmental Partnerships Symposium, "The City and the Environment." University of California, Berkeley, Friday, November 22, 1996.

Incentive Structures for Allocating Public Research Resources. "Global Agricultural Science Policy for the Twenty-First Century." Melbourne, Australia, August 16–18, 1996.

Presented Opening Remarks to Conference, Voices from the Commons, International Association for the Study of Common Property. University of California, Berkeley, June 5, 1996.

A New Perspective on Sustainability: A Framework of Dispute Resolution. Environmental Leadership Roundtable, University of California Extension, San Francisco, California, May 17, 1996.

Cooperatives in Transition: Pros and Cons of Free Enterprise in an Uncertain World. Conference on "Industrial Organization and the Food Processing Industry," IDEI and INRA. Toulouse, France, March 28 & 29, 1996.

Cooperatives in Transition: Pros and Cons of Free Enterprise in an Uncertain World. Conference on "Industrial Organization and the Food Processing Industry," IDEI and INRA. Hong Kong. January 1996.

Institutions, Scientific Technology, and the Future of Agriculture. American Feed Industry Association Key Management Conference. San Diego, California, February 9, 1996.

Institutions, Scientific Technology, and the Future of Agriculture. South Central Regional Academic Conference. Division of Agricultural and Natural Resources, University of California, Salinas, California, February 8, 1996.

U.S. Agricultural Policy in the United States. University of California Discussion. Berkeley, California, September 13, 1995.

A Computable Policy Model of Eastern European Agriculture. IPE-CERGE-EI Conference, "Agriculture and Trade Transition Economies: Policy Design and Implementation." Prague, Czech Republic, July 28 & 29, 1995.

The Future of California's Natural Resources. State of California, Resources Agency. University of California, Davis, California, June 22, 1995.

The Environmental Population Tradeoff. Symposium on "Shaping Agriculture in the 21st Century." Radisson Hotel, Davis, California, June 22, 1995.

The College of Natural Resources and Agriculture. University Committee on Research Policy. University of California, Oakland, California, June 20, 1995.

College of Natural Resources Commencement Ceremony, 1995. Presented to the graduating class of 1995. University of California, Berkeley, California, May 1995.

Modelling Multilateral Bargaining and Negotiation Processes. School of Business, Stanford University. Stanford, California, May 1995.

A Vision for the College of Natural Resources. Nutrition, Education, and Family Development Symposium. University of California, Berkeley, May 17, 1995.

Campus Environmentalism/Earth Day. Environmental Spirit Conference (Earth Day). University of California, Berkeley, April 13, 1995.

Sustainable Agriculture and Pest Control. Faculty and Student Symposium on Sustainable Agriculture and Pest Control. University of California, Berkeley, April 12, 1995.

A New Structure for the College of Natural Resources. UC Berkeley's Council of Deans. University of California, Berkeley, April 4, 1995.

Regulating Multiple Polluters: Deterrence and Liability Allocation. University of Michigan, February 1995.

The College of Natural Resources' Role in Biology. Chancellor's Advisory Council, University of California, Berkeley, January 25, 1995.

The Economic Situation and its Impact on Tomorrow's Business. Protein Technologies International Conference, "Staying Ahead of Competition," a seminar of macro and micro issues affecting the poultry industry. Atlanta, Georgia, January 17, 1995.

International Environmental Regulations. Address at the Institute D'Economie Industrielle. Toulouse, France, November, 1994.

The Future of California Agriculture. Ad Hoc Division of Natural Resources Committee (TICHO). University of California, Oakland, California, January 6, 1995.

Challenges to California Agriculture. Executive Seminar on Agricultural Issues. Sacramento, California, December 13, 1994.

Strategies and Options for Sustaining Animal Agriculture—A Watershed Perspective. Panelist at the Animal Agriculture Impacts on Water Quality in California Conference,. Animal Agriculture Research Center and Agricultural Issues Center, University of California at Davis, Sacramento, October 20, 1994.

Valuation of Intellectual Property. Stanford Law School, Stanford University. Stanford, California, October 7, 1994.

Alternative Frameworks for Evaluating Natural Resource Damages. University of California. Los Angeles, California, April 7, 1994.

GATT Agricultural Policy Reform: A United States Perspective. Major address to the Regional Council on "Strategies and Perspectives in Agricultural Policies" at the conference, "Agricultural Markets: Mechanisms, Failures, Regulations." Institute D'Economie Industrielle, Toulouse, France, October 12–13, 1993.

The Political Economy of Agricultural/Environmental Policy Reform. Conference on "Agricultural Markets: Mechanisms, Failures, Regulations." Institute D'Economie Industrielle, Toulouse, France, October 12–13, 1993.

The Political Economy of Technology and Commodity Policy in the U.S. Dairy Industry. Conference on "Agricultural Markets: Mechanisms, Failures, Regulations." Institute D'Economie Industrielle, Toulouse, France, October 12–13, 1993.

Contaminant Dynamics and the Cost of Groundwater Quality Regulations, with Alan Marco, David Sunding and David Zilberman. Annual Meetings of the American Agricultural Economics Association, August 1993.

Political Power Theory: Explanation and Description. Opening invited address, Pinhas Zusman Retirement Conference. Hebrew University, Rehovot, Israel, June 1993.

Endogenous Political Economy. Ben Gurion University. Israel, June 1993.

Alternative Instruments for Pollution Control. Economics Department, Hebrew University. Rehovot, Israel, June 1993.

A Strategic Model of Environmental Dispute Resolution. Workshop on Environmental Economics, Santa Barbara, California, May 7–8, 1993.

Transition to a Market Economy: The Case of Russia. Cal Open House, University of California. Berkeley, California, April 24, 1993.

Transition to a Market Economy: The Case of Russia. Keynote Address to U.S. Fund for Democracy and Development. March 1993.

The Political Economy of the Transition Process: The Role of Alternative Governance Structures. American Agricultural Economics Association Meetings. Anaheim, California, January 5 & 6, 1993.

Environmental and Agricultural Policy Linkage and Reforms in the United States under the GATT. American Agricultural Economics Association Meetings, December 1992.

Recent Advances on Futures Markets Performance and Behavior. Fourth Annual Managed Futures Symposium, "Managed Futures as an Institutional Investment." Chicago, September 30 through October 2, 1992.

An Emerging Framework for Economic Development: An LDC Perspective. Keynote address at the conference, "Industrial Policy for Agriculture in the Global Economy." Iowa State University, Ames, September 16–17, 1992.

New Frameworks for Designing Compatible Incentives for Policy Reform. Invited Address to the U.S. Agency for International Development. September 1992.

Internal Versus External Agricultural Policy Reform: GATT Negotiations in the Uruguay Round. Invited paper for the American Political Science Association. Chicago, Illinois, September 1992.

A Noncooperative Model of Collective Decisionmaking: A Multilateral Bargaining Approach. American Political Science Association meetings. Chicago, Illinois, September 1992.

A Collective Choice Model for Conflict Resolution in Water Resource Systems. Conference on "Water Quantity/Quality Disputes and the Resolution." Washington, DC. May 2 & 3, 1992.

Environmental and Agricultural Policy Linkages and Reforms in the United States Under the GATT. Economics Department. Purdue University, March 1992.

Environmental and Agricultural Policy Linkages and Reforms in the United States Under the GATT. Economics Department. Iowa State University, March 1992.

State-Market-Civil Institutions: The Case of Eastern Europe. Invited address at the conference, "State, Market, and Civil Institutions: New Theories, New Practices, and Their Implications for Rural Development." Cornell University, New York, December 13 and 14, 1991.

Liberties and Economic Growth. Keynote address, World Conference on Economic Development. Raleigh-Durham, North Carolina, November 19–21, 1991.

Multidisciplinary Problem-Solving and Issue-Oriented Work with the PC/TC Approach. Keynote address at the multidisciplinary workshop on "Strategies and Agendas for the Rural Social Sciences" under the auspices of the Social Science Agricultural Agenda Project, and sponsored by The American Agricultural Economics Association, the Rural Sociological Society, the Agricultural History Society, et al. Kansas City, Missouri, August 1–4, 1991.

International Policy Reform: Opportunities and Obstacles. Plenary presentation at the Summer 1991 Meeting of the Business-Higher Education Forum. University of California, Santa Barbara, June 27–29, 1991.

The Political Economy of Transition in Eastern Europe: Packaging Enterprises for Privatization. Institute of International Studies, University of California, Berkeley, May 1991.

Futures Market Performance and Behavior. Keynote address at the Managed Futures Symposium. New York, May 1–3, 1991.

The Political Economy of Transition in Eastern Europe: Packaging Enterprises for Privatization. Simon Fraser University. British Columbia, Canada, April 1991.

The Political Economy of Transition in Eastern Europe: Packaging Enterprises for Privatization. Institute of Policy Reform Conference on Institutions and the Transition to a Market Economy. Prague, Czech Republic, March 1991.

Agricultural Reforms in the USSR: A Scientist's Attitude. Soviet-American Symposium. Moscow, October 1990.

The Political Economy of the European Community's Agricultural Policy. Keynote address to the European Agricultural Economics Association. The Hague, September 1990.

Market Politics and Alternative Transition Paths. Conference on "Rural Reform in Socialist Countries: Dilemmas and Strategies," sponsored by the World Bank and the National Bank of Hungary. Budapest, Hungary, August/September 1990.

The Agency for International Development Paradigm on Policy Reform and Economic Development. Major invited address to the Allied Social Science meetings. Atlanta, Georgia, December 1989.

Agricultural Policy Alternatives for the 1990s. Keynote address to the American Agricultural Law Association. San Francisco, California, November 1989.

A New Paradigm for Economic Development. Keynote address at the Economic Development Consortium. November 1989.

An Assessment of the Agricultural Economics Profession. Major invited address to the American Agricultural Economics Association meetings. Baton Rouge, Louisiana, August 1989.

New Institutional Economics and Public Policy. Major invited address to the Development Studies Program, Institute for International Research. The American University, July 1989.

The Evolution and Coordination of U.S. Commodity and Resource Policies. Keynote address at the CARP Symposium. University of Maryland, College Park, May 1989.

Supporting Coalitions for Policy Reform and Institutional Change. Invited plenary presentation to the Indonesian Economic Association, Thailand Economic Association, Pakistan Economic Association, Bangladesh Economic Association, Egyptian Economic Association. February 1989.

The Market for Public Policy Reform. Invited plenary address to the 33rd Annual Conference of the Australian Agricultural Economics Society. New Zealand, February 1989.

Dynamic Welfare Analysis in Commodity Futures Markets. Major invited address to the International Conference of the Applied Econometrics Association. Washington, DC, October 1988.

Endogenizing Policy in Models of Agricultural Markets. Major invited address presented at the Plenary Session of the International Association of Agricultural Economists. Buenos Aires, Argentina, August 1988. Trade Negotiations, Institutional Changes, and Policy Reform. Major invited address to the International Agricultural Trade Consortium. Washington, DC, August, 1988.

The Macroeconomic Dimension of Agricultural Policy Reform. Major invited address at the World Food Conference. Ames, Iowa, June 1988.

The Design and Implementation of Public Policy Reform. Keynote address at the Conference on Agricultural Economic Policy Reform in Egypt. Cairo, Egypt, July 1987.

Stability Issues in Policy Analysis. Major invited address at the Conference on Agricultural Stability in Farm Programs: Concepts, Evidence, and Implications. North Carolina State University, Raleigh, May 1987.

Alternative U.S. Agricultural Trade Policy. Major address to the Benjamin E. Lippincott Symposium on Policy Coordination in World Agriculture. University of Minnesota, St. Paul, April 1987.

Macroeconomic Linkages in U.S. Agriculture. Keynote address at the First Rod F. Ziemer Symposium. University of Georgia, Athens, March 1987.

Political Failure and the Reform of Agricultural Policy. Keynote address to the Australian Agricultural Economics Society. Adelaide, Australia, February 1987.

Public Policy in U.S. Agriculture. Invited major address to the School of Agriculture, the University of Western Australia. Perth, Australia, February 1987.

The Formulation of Agricultural Policy in the United States: Circa, 1987. Invited plenary address to the Australian Agricultural Economics Society and Bureau of Agricultural Economics. Canberra, Australia, February 1987.

The State of Agricultural Economics. Paper presented at the American Agricultural Economics Association Annual Meeting, Iowa State University, August 1986.

New Developments in Economics. Paper presented at the Conference on Agriculture in Rural Areas Approaching the 21st Century: Challenges for Agricultural Economics, Ames, IA, August 1986.

Agriculture, Trade, and Macroeconomics. Paper presented at the Conference on Agriculture in Rural Areas Approaching the 21st Century: Challenges for Agricultural Economics, Ames, IA, August 1986.

Overshooting of Agricultural Prices. Paper presented at the International Agricultural Trade Research Consortium, Lake Tahoe, CA, July 1986.

Political Failure and the Design of U.S. Agricultural Policy. Paper presented at the convocation honoring Vice President James B. Kendrick, Jr., University of California at Davis, June 1986.

Alternative Trade and Macroeconomic Scenarios: Implications for U.S. Agriculture. Paper presented at the Farm Policy/Technology Conference, University of California, Agricultural Issues Center, June 1986.

Private Sector Responses to Target Prices and Deficiency Payments. Paper presented to Resources for the Future, Washington, DC, May 1986.

A Coherent Policy for U.S. Agriculture. Major address at the Conference on Food Policy and Politics: A Perspective on Agriculture and Development. Purdue University, West Lafayette, Indiana, May 1986.

Macroeconomics, Overshooting, and the Design of Public Policy. Major invited address to the Midwest Economic Association, Chicago, Illinois, March 1986.

The Effects of Monetary Policy on U.S. Agriculture. Invited paper presented at the annual meeting of the Australian Agricultural economics Association, February 1986.

Macroeconomic Relationships. Paper presented to Cooperative Extension Economic Leaders, San Francisco, CA, January 1986.

Macroeconomic Linkages to Agriculture. Paper presented to the Department of Economics, Michigan State University, January 1986.

Some Political Aspects of Macroeconomic Linkages with Agriculture. Paper presented at the American Economic Association Annual Meeting, New York, December 1985.

Macroeconomic Linkages, Taxes and Subsidies on the U.S. Agricultural Sector. Paper presented at the American Economic Association Annual Meeting, New York, December 1985.

The Food Marketing System: Relevance of Economic Efficiency Measures. Major invited address at the Conference on Economic Efficiency and Agriculture and Food Marketing; sponsored by the University of Florida, Farm Foundation and the Agricultural Marketing Service, U.S. Department of Agriculture. Arlington, Virginia, October 1985.

Instability in Agricultural Markets: The U.S. Experience. Major invited address to the International Association of Agricultural Economists, Malaga, Spain, August 1985.

Multimarket Efficiency Analysis. Paper presented at the London School of Economics, August 1985.

Distributional Effects of Agricultural Policies. Paper presented at Oxford University, August 1985.

A Comprehensive Framework for Analysis of Future Markets. Paper presented to the Chicago Mercantile Exchange, June 1985.

The Design of U.S. Food and Agricultural Policy. Major invited address to the U.S. Congressional Conference, Urban-American Stake in the National Farm Crisis. Washington, DC, April 1985.

Overshooting in Commodity Future Markets. Paper presented at the Department of Economics, University of Wisconsin, Madison, April 1985.

Multiple Effects of Exchange Rates on Import Demand. Paper presented to the U.S. Department of Agriculture, Economic Research Service, Washington, DC, March 1985.

Macroeconomics and U.S. Agricultural Policy. Major invited address to the American Enterprise Institute for Public Policy Research. Washington, DC, January 1985.

A Synthesis of Major Evaluations of Alternative Proposals for the 1985 Food Security Act. Major invited address at the National Center for Food and Agricultural Policy and National Agricultural Forum Conference, Policy Choices, 1985. Washington, DC, December 1984.

Agricultural Trade and Unstable Exchange Rate Movements. Paper presented to the Brookings Institution, Washington, DC, November 1984.

Monetary Reaction Functions and the income Link for Agricultural Export Demand. Paper presented to Resources for the Future, Washington, DC, October 1984.

New Designs for Funding Public Research in Agriculture. Paper presented at the Department of Agricultural Economics, Ohio State University, September 1984.

Food Margin Relationships: Fix- Versus Flex-Price Determinations. Paper presented at the Department of Economics, Iowa State University, September 1984.

The Relative Effectiveness of Agricultural Sector Versus Macroeconomic Policies. Paper presented at the American Agricultural Economics Association Annual Meeting, Cornell University, August 1984.

Short Run Nonneutrality and Dynamic Overshooting Paths. Paper presented at the U.S. Department of Agriculture, Economic Research Service, Washington, DC, August 1984.

Uncertain Economic Environments and Conditional Policies. Paper presented at the Giannini Foundation/Resources for the Future conference on Alternative Agriculture and Food Policies and the 1985 Farm Bill, Berkeley, CA, June 1984.

Review and Assessment of Alternative Agricultural Policy Proposals. Paper presented at the Giannini Foundation/Resources for the Future conference on Alternative Agriculture and Food Policies and the 1985 Farm Bill, Berkeley, CA, June 1984.

The Major Issues in Agricultural Public Policy Management. Paper presented to the Graduate School of Management, Yale University, May 1984.

Hedging Strategies for Grain Importing Countries. Paper presented to the Chicago Board of Trade, Chicago, IL, March 1984.

Regulation in Commodity Futures Markets. Major invited address to the American Enterprise Institute. Washington, DC, January 1984.

The Role of Agricultural Price Supports and Land Controls in Technological Adoption Under Uncertainty. Paper presented to the Department of Agricultural and Applied Economics, University of Minnesota, January 1984.

Post-Bayesian Statistical Inference. Paper presented to the Department of Statistics, Iowa State University, November 1983.

Expectation Patterns, Cost of Information, and the Role of Future Markets. Paper presented to the Department of Economics, University of Chicago, September 1983.

Agricultural Output and the Effectiveness of Government Policy. Paper presented at the American Agricultural Economics Association Annual Meeting, Purdue University, August 1983.

Equity and Efficiency in Agricultural Production Systems. Major invited address to the Plenary Session of the International Association of Agricultural Economists. Jakarta, Indonesia, 1982.

Political Economic Markets: PERTs and PESTs in Food and Agriculture. Keynote address to the American Agricultural Economics Association Annual Meetings. Logan, Utah, 1982.

Modeling Agriculture for Policy Analysis in the 1980s. Major invited address at a special symposium sponsored by the Federal Reserve Bank of Kansas City. September 1981.

Agriculture, Food, and the Government. Invited address to the American Economics Association Annual Meeting. New York, 1981.

Prospects and Limitations of Operations Research in Agricultural Policy Investigations. Major invited address at the Plenary Session of the International Operations Research Conference. Jerusalem, Israel, 1979.

Natural Resource Economics and Policy. Keynote address to the Farm Foundation Research Workshop, Natural Resource Economics and Policy. University of Massachusetts, Amherst, 1976.

INVITED SEMINAR PRESENTATIONS

Agency for International Development (27)*; Agricultural Development Council (4); American Agricultural Economics Association (34); American Agricultural Law Association (1); American Economics Association (11); American Enterprise Institute (2); American Finance

Association (5); American Sheep Industry (2); American Statistical Association (9); American Water Resource Association (3); Applied Econometric Association Conference (2); Argentina Universities (9); Australian Agricultural Economics Society (5); Australian National University (3); Brown University (1); California Agricultural Trade Seminars (1); California Women for Agriculture, Los Angeles (2); Chicago Board of Trade (6); Citizens for a Sound Economy Foundation (2); Columbia University (2); Commodity Futures Trading Division of Economic Analysis (1); Commonwealth Club (2); Conference on Agricultural Economic Policy Reform in Egypt (1); Conference of Economywide Effects of Developed Country Agricultural Trade Policies (1); Econometric Society (North American, European, World) (11); Economics Branch, Agriculture Canada (15); European Agricultural Economics Association (1); Farm Credit Council (2); The Ford Foundation (6); Harvard Institute of Development (2); Harvard University (12); Heritage Foundation, Washington, DC (2); Illinois Agricultural Leadership Foundation (1); Institute of Electronics and Electronics Engineers Decision and Control Conferences (2); International Association of Agricultural Economists (6); International Monetary Fund (4); Iowa State University (9); League of Women Voters (Berkeley and Washington, DC) (5); London School of Economics (3); Massachusetts Institute of Technology (4); Melbourne University (3); Michigan State University (2); Midwest Economic Association (2); Monash University (1); National Bureau of Economic Research (7) National Cotton Council of America (2); New York Pension Fund Association (2); North Carolina State University (6); Northern Illinois University (3); Oklahoma State University (1); Operations Research Society (5); Organization of Professional Employees (3); Princeton University (2); Purdue University (6); Regional Research Strategy Committees (9); Rotary Club of Berkeley (1); Soviet-American Symposium (1); Stanford University (4); State University of New York (2); Texas A&M University (2); The Institute of Management Sciences (4); Town Hall of California, Los Angeles (1); Trade Policy Research Center, United Kingdom (3); University of Adelaide (1); University of California, Berkeley (28); University of California, Davis (9); University of California, Santa Barbara (2); University of California, Los Angeles (4); University of Chicago (9); University of Florida (2); University of Georgia (1); University of Heidelberg (1); University of Illinois (3); University of Maryland (1); University of Massachusetts, Amherst (2); University of Minnesota (5); University of Missouri (3); University of Nebraska (1); University of New England (3); University of North Carolina (1); University of Pennsylvania (3); University of Prague (1): University of Rhode Island (1); University of Salsberg (1); University of Saskatchewan (1); University of Sydney (2); University of Western Australia (2); U.S. Department of Agriculture (15); Washington, DC, Economists Club (3); Western Economics Association (7); World Affairs Council (2); World Perspective Seminar (1); The World Bank (10); Yale University (3); Institute for Policy Reform (12).

*Number of Presentations (Total: 428).

PUBLIC, UNIVERSITY AND PROFESSIONAL SERVICE

Departmental Graduate Advisory Committee, 2007-

Chairman, Ph.D. Admissions Committee, 2009-

Chairman, Department of Agriculture and Resource Economics Recruitment Committee, 2010-

Chairman, Department of Agriculture and Resource Economics Cooperative Extension Program Committee, 2010-

Member, U.S. Trade Representative (USTR/USDA) advisory committee on WTO negotiations, 2005–2007

Member, Finance Committee, Pacific Graduate School of Psychology, 2003–2009
Member, Committee to increase student enrollment, Department of Agricultural and Resource Economics, University of California, Berkeley, 2002–
Member, Board of Visitors, Center for Science, Policy, and Outcomes, 2000–2004
Member, Board of Trustees, Pacific Graduate School of Psychology, 1999–2009
Member, Board of Trustees, Palo Alto University, 2009-
National Development Council, California State University, Fresno, 1998–2004
Member, Board of Directors, Lawrence Hall of Science, 1998–2002
Joint Policy Council on Agriculture and Higher Education, Committee on Cooperation in Education, 1997– 2003
Columbia University, Columbia Earth Institute (CEI) Advisory Board, October 1997–2000
Graduate Group in Energy and Resources, University of California, Berkeley, 1996–2000
Campus Advisory Board, Lawrence Hall of Science, University of California, Berkeley, 1996–1998
Executive Committee, International and Area Studies Executive Committee, University of California, Berkeley, 1994–2000
Associate Director, Agricultural Experiment Station, University of California, Berkeley, 1994–2000
Director, Institute for Natural Resource Systems, University of California, Berkeley, 1994–2000
Berkeley Division, Academic Senate, Committee on University Extension, 1992– 1994
Member, Economic Discipline Board, Fulbright Scholarship Awards, 1989– 1993
Numerous Departmental and College-Level Committees, 1970–
Member, Committee to revise ANR's mission statement, University of California, 2003
Chair, Finance Committee, Pacific Graduate School of Psychology, 2002–03
Chair, Division of Agriculture and Natural Resources Reorganization Committee, University of California, 2002
Chair of the Electorate Nominating Committee for the AAAS Section on Social, Economic and Political Sciences, 2001–2002
Chair, Review Committee for the Dean of the School of Journalism, University of California, Berkeley, 2001
Member, Northwest Precinct Space Study Committee, University of California, Berkeley, 2000
Member, Geographic Information Service Advisory Council, University of California, Berkeley, 2000
Member, Fundraising Workgroup Committee, University of California, Berkeley, 2000
Student Deans' Council, University of California, Berkeley, 1994–2000
Division Chairs Council, University of California, Berkeley, 1994–2000
Council of Deans, University of California, Berkeley, 1994–2000
Chancellor's Advisory Committee on Biology, University of California, Berkeley, 1994–2000
Ex officio member, College of Natural Resources Advisory Board, University of California, Berkeley, 1994–2000
Executive Committee of Environmental Council, University of California, Berkeley, 1994–2000
Council of Deans and Directors, University of California, Systemwide, 1994–2000
College of Natural Resources Advisory Board, University of California, Berkeley, 1994–2000
College of Natural Resources Development Committee, University of California, Berkeley, 1994–2000
Cooperator, "Higher Education Collaboration Between the United States and the European Community," the Fund for the Improvement of Postsecondary Education (FIPSE), 1993–2000

Geographic Information Science Center's Advisory Council, University of California, Berkeley, 1999
Course Material Fees Committee, University of California, Berkeley, 1999
Search Advisory Committee for Assistant Vice President, DANR, 1999
Search Committee, Vice Chancellor University Relations, 1999
Nominating Committee of the Social, Economic, and Political Science, American Association for the Advancement of Science (AAAS). January, 1999
Search Committee, Vice Chancellor Capital Projects, 1998
Chair, Advisory Committee, Kearney Foundation for Soil Science, Division of Agricultural and Natural Resources, University of California, Berkeley, 1995
Member, Board for International Development Studies, Fletcher School of Law and Diplomacy, Tufts University, 1992–95
University Extension Committee, Berkeley Division, Academic Senate, University of California, Berkeley, 1993–94
Agricultural and Food Marketing Consortium Planning Committee, 1993–94
Chair, Search Committee for Chair of Slavic Center, University of California, Berkeley, 1993–94
Member of Advisory Board, International Center for Self-Governance, 1991–1994
University of California Systemwide Energy Research Advisory Committee, 1988–94
Member Capital Campaign 2001, Knowledge for the Future, Subgroup: Environment, Resources, and Ecology, 1993
College of Natural Resources Committee to Form International Institute for Natural Resource Systems, University of California, Berkeley, 1991–92
College of Natural Resources Internal Reorganization Committee, University of California, Berkeley, 1990–1992
Editor, Agricultural Management and Economics, Springer-Verlag, 1988–92
Board of Directors, Universitywide Energy Research Center, 1988–1992
Evaluation of World Bank Research Proposals (14 evaluations), 1979–1992
Chairman, Search Committee for Director of Soviet Studies, 1991
Agricultural Academy of Science-Soviet Union Delegation, 1990
Cofounder of the Institute for Policy Reform, Washington, DC, 1989
Founder of the Agency for International Development Research Fellow Program, 1989
Dean's Selection Committee for College of Natural Resources Technical Advisory Committee, 1989
Chairman and Member, Berkeley Campuswide Committee to Evaluate the Department of Economics and Related Economic Programs, 1988–1989
Advisory Committee, Environmental Protection Agency, Evaluation of Environmental Regulations on Agriculture, 1987–1989
Resources for the Future, National Center for Food and Agricultural Policy Task Force on Multilateral Trade Negotiations, 1988
U.S. Department of Agriculture, Task Force on Analytical Research Supporting the Trade Representatives Office, 1988
Member, Advisory Committee, Government Accounting Office on U.S. Agricultural Export Strategies, 1987–88
Departmental Faculty/Extension Coordination Committee, University of California, Berkeley, 1987–88
Chairman, Political Economy of Natural Resources Panel, 1987–88
U.S. Government Task Force on U.S. Agricultural Policy and Position in GATT Negotiations, 1987–88

Member, Evaluation of EPA Regulation on U.S. Agricultural Sector Committee, 1987–88
United States Negotiating Team for the OECD Communique on Agricultural Reform, May, 1987
United States Senate Panel on "1985 Farm Bill Revisited: Competitive Views," March, 1987
Council for Foreign Relations Task Force on Trade Policy Options for the United States, 1987
General Accounting Office Task Force on Alternative Public/Private Marketing Mechanisms for U.S. Food and Agriculture, 1987
U.S. Government Task Force on the Farm Credit System, 1987
Chairman and Member, School of Business Administration Planning Committee, University of California, Berkeley, 1986–87
Organizational Committee for Farm Policy-Technology Conference, Agricultural Issues Center, University of California at Davis, 1986
American Agricultural Economics Association Committee on Journal Publishing, 1986
Member, Search and Selection Committee for Vice President of Agriculture and Natural Resources, University of California Systemwide, 1985–86
Chairman, Strategic Review of Giannini Foundation, 1985–86
Member, Agricultural Policy Planning Committee, American Agricultural Economics Association, 1984–1986
Departmental Food and Agricultural Act Symposium Committee, University of California, Berkeley, 1984–1986
The American Agricultural Economics Association Board of Directors, ex officio, 1984–1986
Chairman, American Agricultural Economics Association, Outstanding Journal Article Committee, 1983–1986
Editor, American Journal of Agricultural Economics, 1983–1986
Member, Board of Directors, Giannini Foundation of Agricultural Economics, 1979–1986
Chairman, Executive Committee, Giannini Foundation, 1979–1986
Member, Planning Committee for Agriculture and Food Policy Evaluation, Resources for the Future, 1984–85
Member, Advisory Committee for the Design of the Agricultural Issues Center, University of California Systemwide, 1984–85
Member and Director, Agriculture Study Group, Commonwealth Club, 1983–1985
Chairman, Departmental Endowment Committee, University of California, Berkeley, 1979–1984
Chairman, Western Agricultural Economics Research Council, 1982–83
Member, Planning Committee, Berkeley Food Cooperative, 1980–1983
Vice Chairman, Western Agricultural Economics Research Council, 1981–82
American Agricultural Economics Association Publication of Enduring Quality Award Committee, 1981–82
Western Nutrition Center Planning Committee, 1980–1982
Joint Land Grant University/U.S. Department of Agriculture Committee on New Research Directions, 1979–1982
Coordination Board, Giannini Foundation, 1979–1982
Associate Editor, Journal of Dynamics and Control, 1978–1982
Associate Book Review Editor, Journal of the American Statistical Association, 1974–1982
Western Nutrition Center Coordinating Committee, 1980–81
Secretary, Western Agricultural Economics Research Council, 1980–81
Arab-American Council for Cultural and Economic Exchange, Egyptian Agricultural Development Committee, 1979–80
Editorial Board, American Journal of Agricultural Economics, 1977–1980
Agricultural Econometric Modeling and Forecasting Symposium Participant, 1973–1980

Chairman, Joint University-Governmental Symposium on Agricultural Sector Forecasting and Policy Evaluations, Washington, DC, 1979
National Bureau of Economic Research Workshop Participant, 1974–1979
Chairman, Research Evaluation Committee for Desert Research Institute, Israel, 1978
Academic Representative to U.S.-U.S.S.R. Agreement on Cooperation in Agricultural Economic Research and Information, 1977
Member, World Bank Committee on Research Quality Control, 1976–1977
Harvard University Executive Education Program Instructor, 1975–1977
Agricultural Development Council Workshop Participant, 1974–1977
Associate Editor, Journal of the American Statistical Association, 1973–1977
Member, Outstanding Ph.D. Dissertation Committee, American Agricultural Economics Association, 1974–1976
Ford Foundation Visiting Professor, Argentina, 1972
College Union Board of Directors, 1966–1972
Interfraternity Council Board, 1965–1967
University of California, Berkeley, Ad Hoc Review Committee for Tenure Appointments (19 appointments, 9 as Chair).

EDITORIAL COLLABORATIONS

Review of Agricultural Economics, 1990–
Springer-Verlag, 1988–
Review of Economic Studies, 1987–
Economic Journal, 1986–
Journal of Futures Markets, 1986–
Review of Futures Markets, 1986–
Economic Development and Cultural Change, 1985–
Journal of Economic Theory, 1985–
Journal of Monetary Economics, 1984–
Journal of Development Economics, 1982–
Journal of Environmental Economics and Management, 1981–
Journal of Economic Dynamics and Control, 1978–
Resources and Energy, 1978–
Australian Journal of Agricultural Economics, 1977–
Decision Sciences, 1977–
IEEE Transactions on Automatic Control, 1977–
Journal of Economics and Business, 1977–
Management Science, 1977–
American Economic Review, 1976–
Quarterly Journal of Economics, 1976–
Journal of Finance, 1975–
Econometrica, 1974–
Review of Economics and Statistics, 1974–
Journal of Econometrics, 1973–
Journal of Political Economy, 1973–
Journal of the American Statistical Association, 1971–
American Journal of Agricultural Economics, 1970–
Annals of Economic and Social Measurement, 1974–1977

AD HOC REVIEWING

Agriculture Canada, 1991– , 1978–1982
Club of Paris, various governmental consulting groups, 1988–
U.S. Council of Economic Advisors, 1986–
U.S. General Accounting Office, 1983–
U.S. Congressional Budget Office, 1982–
American Enterprise Institute, 1981–
United States-Israeli Binational Agricultural Research and Development Fund (BARD), 1980–
World Bank, 1979–
National Science Foundation, 1976–
Giannini Foundation Monograph Series, 1971–
Intergovernmental Consulting Group on Indonesia, the Hague, 1989–1990

PH.D. DIRECTORSHIPS

Sixty-two Ph.D. theses in the areas of Natural Resource Damages; Agricultural Economics and Policy; Industrial Organization and Antitrust Analysis; Water Resources; Human Capital; Recreational Economics; Environmental Economics; Energy Policy; Public Policy; Managerial Economics; Adaptive Control; Econometrics; International Trade; Commodity Markets and Models; Governmental Food and Nutrition Policies; Operational Designs of Decision Support Systems; U.S. Livestock Feed Grain Sector; Agricultural Cycles; Futures Markets; Terms of Trade; Agricultural Land Prices and Agrarian Structure; Land Quality and Soil Conservation; Agricultural Credit Markets; New Institutional Economics and Transaction Costs; Political Economy; Multilateral Negotiations; Design of Governance Structures; Industrial Organization of Food Industry; Transitional Economies; Risk Analytics; Health Economics, Political Power, Analytical Dimensions; Common Property Resources; Experimental Design; Statistical Methodologies.

RESEARCH GRANTS

Agency for International Development, U.S. State Department (numerous)
Agriculture Cooperative Service, U.S. Department of Agriculture
Agriculture Research Service, U.S. Department of Agriculture (numerous)
Center for Agricultural and Rural Development (numerous)
Chicago Board of Trade
Chicago Mercantile Exchange
Consortium of US Commodity Futures Exchanges
Economic Research Service, U.S. Department of Agriculture (numerous)
Economics Branch, Agriculture Canada (numerous)
Ford Foundation (numerous)
France-Berkeley Fund
Giannini Foundation (numerous)
Harvard University Research Institute
International Monetary Fund
National Center for Food and Agricultural Policy (numerous)

National Science Foundation (numerous)
OECD, France
Resources for the Future
State of Iowa Coal Project
U.S. Department of Agriculture (numerous)
U.S. Trade Representatives Office (numerous)
U.S. Environmental Protection Agency (numerous)
University of California Systemwide Biotechnology Research and Education Program
University of California Water Resource Center
Western Human Nutrition Center, U.S. Department of Agriculture
World Bank

GOVERNMENT CONSULTING AND NONACADEMIC POSITIONS

Chairman, Board of Directors, OnPoint Analytics, 2004-
Senior Consultant, CRA International, 2000-2006
Board of Directors, Diversified Therapy Corporation, 1997–2005
Chairman and Board of Directors, TriColor Line, Ltd., 1990–
Board of Directors, Source for Automation, Inc., 1988–1996
U.S. Department of Agriculture, 1975–
Board of Directors, OnCure Technology (formerly US Cancer Care), 1998–2003
Cofounder and Board of Directors, LECG, Inc., 1990–2000
Board of Directors, U.S. Diagnostic Labs, 1994–99
Council of Economic Advisors, 1993–94, 1986–88
President and Board of Directors, Institute for Policy Reform, Washington, D.C., 1990–1994
Nathan Associates, Incorporated, Washington, DC, 1990–1991
Chief Economist, Agency for International Development, Washington, DC, 1988–1990
U.S. Department of State, 1986–1990
Ministry of Agriculture, England, 1987–88
World Bank, 1983–1988, 1975–76
Bureau of Agricultural Economics, Australia, 1986–87
Farm Credit Administration, 1986–87
U.S. Office of Management and Budget, 1986–87
Chicago Board of Trade, 1982–1986
Ministry of Agriculture, Spain, 1985
Chicago Mercantile Exchange, 1980–81
Oakridge National Laboratories, Energy Division, Oakridge, Tennessee, 1978–1981
Economics Branch, Agriculture Canada, 1977–1980
U.S. Bureau of Mines, 1974–1976
U.S. Office of Saline Water, 1973–1976
National Science Foundation Environmental Project, University of Chicago, 1973–1975
Manager, California Dairy and Truck Crop Farm, 1967–1973

INDUSTRY CONSULTING AND LITIGATION EXPERIENCE

Consulting experience in complex litigation, antitrust, regulated industries, measurement of economic damages, economic feasibility studies, market analysis, econometric modeling, environmental damages, development of portfolio investment models, and the assessment of risk management frameworks.

Exhibit 2

Four Year Testimony List of Gordon Rausser, Ph.D.

GORDON C. RAUSSER

Senior Consultant

EXPERT REPORTS, DEPOSITIONS, AND TESTIMONY (2007 – JUNE 2011)

Elliot Zeisel, on behalf of himself and all others similarly situated v. Diamond Foods, Inc.
Winston & Strawn LLP (2011)

- Expert Declaration

Dey, L.P., and Dey, Inc., v. Teva Parenteral Medicines, Inc., Teva Pharmaceuticals USA, Inc., and Teva Pharmaceutical Industries, Ltd.
Frommer Lawrence & Haug LLP (2011)

- Expert Report

In Re: Northeastern Milk Antitrust Litigation
Howrey, LLP (2011)

- Expert Declaration
- Deposition

Abbott Laboratories and Abbott Respiratory LLC, v. Lupin Limited and Lupin Pharmaceuticals, Inc.
Frommer Lawrence & Haug LLP (2010)

- Expert Report
- Deposition

OSI Pharmaceuticals, Inc., Pfizer, Inc., and Genentech, Inc. v. Teva Pharmaceuticals USA, Inc. and Mylan Pharmaceuticals Inc.
Wiley Rein LLP (2010)

- Expert Report
- Deposition

Asahi Kasei Pharma Corporation v. Actelion Ltd., et al.
Morgan, Lewis & Bockius LLP (2010)

- Expert Report
- Deposition
- Hearing Testimony
- Trial Testimony

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Fax: 510-463-0131

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Galderma Laboratories, L.P., Galderma S.A., and Dermalogix Partners, Inc., v. Paddock Laboratories, Inc.
Frommer, Lawrence & Haug LLP (2010)

- Expert Report
- Deposition

Office Depot, Inc. v. Marsh & McLennan Companies, Inc., et al.
Killpatrick & Stockton, LLP (2010)

- Deposition

Aspex Eyewear, Inc. and Contour Optik, Inc. v. Hardy Life, LLC, et al.
Sheppard Mullin Richter & Hampton LLP
Frommer Lawrence & Haug LLP (2010)

- Expert Report
- Deposition

Class v. Smithkline Beecham Corporation D/B/A Glaxosmithkline plc
Miller Law, LLC (2008-2010)

- Expert Declaration
- Deposition

In Re: Gabapentin Patent Litigation
Axinn Veltrop & Harkrider LLP (2010)

- Expert Report
- Deposition

Darlery Franco, et al. v. Connecticut General Life Insurance, Co., et al.
Scott & Scott, LLP (2010)

- Expert Declaration

In Re: Aetna UCR Litigation
Scott & Scott, LLP (2010)

- Expert Declaration
- Expert Report

In Re: Rail Freight Fuel Surcharge Antitrust Litigation
Quinn Emanuel Urquhart Oliver & Hedges, LLP (2010)

- Expert Report
- Deposition

Cephalon Labs, Inc., et al. v. Watson Pharmaceuticals, Inc., et al.
Frommer Lawrence & Haug LLP (2010)

- Expert Report
- Deposition
- Trial Testimony

In Re: Southeastern Milk Antitrust Litigation
Howrey LLP (2010)

- Expert Report
- Deposition

In Re: Ready-Mixed Concrete Antitrust Litigation
Cohen & Malad, LLP (2008-2010)

- Expert Report
- Expert Declaration
- Trial Testimony

SmithKline Beecham Corporation, et al. v. Apotex Corp.
Locke, Lord, Bissell & Liddell (2010)

- Expert Report

Duramed Pharmaceuticals, Inc,, v. Paddock Laboratories, Inc.
Frommer, Lawrence & Haug (2010)

- Expert Report
- Deposition

Harris Farms, Inc, v.Western Farm Service, et al.
Petrie, Dorfmeier & Morris, LLP (2009)

- Deposition

Sanofi-Aventis U.S. LLC, Sanofi-Aventis, Debiopharm, S.A. v. Mayne Pharma Limited, Mayne, Pharma (USA) Inc, Hospira Austrailia PTY LTD., and Hospira, Inc.
Winston & Strawn, LLP (2009)

- Expert Declaration

Untied States of America v. Cinergy Corporation, PSI Energy, Inc., and Cincinnati Gas & Electric Co.
Sidley Austin, LLP (2009)

- Expert Report

Dey, L.P. and Dey, Inc., v. Sepracor Inc.
Frommer, Lawrence & Haug, LLP (2009)

- Expert Report