Improved ADF Levels

tible fiber) was 35 percent or more in first cuttings. This year's analysis showed many samples were below 30 percent and many more close to this level.

"What the drought did was to create some excellent haymaking and drying conditions. Quality is excellent, but is does not compensate for the loss in quantity," explained Bosworth.

For the first time this year, according to Bosworth, visual judging was complemented by computer forage analysis. Lester Vough, forage specialist at the University of Maryland, first ranked the forage samples on visual appearance. Samples were then analyzed. For the most, part Vough's visual impressions were confirmed by the analysis, but he said both methods are essential to the farmer.

"To really get a true picture of the forage content you must do both. Chemical analysis is not absolute. It will not tell you that the hay is musty or moldy. It will not tell you that the hay contains horse nettle. These are things you can only tell by examining the hay visually. But visually you cannot tell what the protein content is and that is very important for the dairy farmer who is trying to balance his ration. Chemical analysis is a must," said Vough.

Dewey Shaffer of Newville took the grand champion spot in section I entries which were field cured or partially field cured, plus mow finish (without heat or hay preservatives). His later-cut alfalfa with not over 10 percent grasses tested 22.1 percent crude protein, 14.9 percent digestible protein, and 26.1 percent ADF. Total digestible nutrients were 71 percent.

In section II entries, partially field cured plus heat dried (no hay preservatives), the grand champion was Jay McCarrell of Eightyfour. McCarrell's later cut alfalfa tested 22.1 percent crude protein, 16.6 percent digestible protein, and 25.6 percent ADF.

Grand champion of section III entries for partially field cured plus hay preservatives was Nevin Rice of Blain. Rice's clover tested at 24.5 crude protein, 16.3 percent digestible protein and 25.2 percent ADF.

Grand Champion-Section 1
Dewey Shaffer, Newville
Cumberland County
Grand Champion-Section 2
Jay McCarrell, Eighty-four
Washington County
Grand Champion-Section 3
Nevin Rice, Blain
Perry County

Section 1
Field cured or partially field cured plus mow finish (no heat) and (no hay preservatives).

Class 1
Alfalfa-first cutting with not over 10 percent grasses.
1. Dewey Shaffer, Newville, Cumberland Co., 2. Thomas Wolfe, Halifax, Dauphin, 3. MHS Farms, Founders Hall, Dauphin, 4. Fairfield Farms, Huntingdon, Huntingdon.

Class 2
Alfalfa-later cutting with not over 10 percent grasses.
1.Dewey Shaffer, Newville, Cumberland, 2. Jay McCarell, Eightyfour, Washington, 3. Allen Glick, Miffintown, Juniata, 4. Eric Brubaker, Mifflintown, Juniata.

Class 3
Alfalfa Grass Mixed-first cutting, a mixture of alfalfa and grass with over 10 percent, but no over 50 percent grasses.
1. Pete Yorke, Bellefonte, Centre,

2. Fairfield Farms, Huntingdon, Huntingdon,

Class 4
Alfalfa Grass Mixed-later cutting, mixture of alfalfa and grass with over 10 percent, but not over 50 percent grasses
1. Jeff Shaffer, Beavertown, Snyder, 2. W. Douglas Seipt, Easton, Northumberland, 3. Thomas Wolfe, Halifax, Dauphin, 4. Thomas Coffman, Jr., Petersburg, Huntingdon.

Class 5
Clover-Clover with not over 20 percent grasses.
1. Steven Yakamook, McClure, Snyder, 2. H. L. Narehood & Sons, Beavertown, Snyder, 3. Jonathan Boop, Millmont, Union, 4. Mike Klunk, Hanover, Adams.

Class 6
Clover Grass Mixed-mixture of clover and grass with over 20 percent but not over 50 percent grasses.
1. Fairfield Farms, Huntingdon, Huntingdon.

Class 7
Grass-first cutting, a pure species or mixtures of grasses containing not over 10 percent legume.
1. Fairfield Farms, Huntingdon, Huntingdon, 2. Brian Fulmer, Pen Argul, Northumberland, 3. Melvin Martin, Thompsontown, Juniata, 4. Thomas Wolfe, Halifax, Dauphin.

Class 8
Grass-later cutting, a pure species or mixture of grasses containing not over 10 percent legume.
1. H. Raye Ruhland, Seven Valleys, York.

Class 9
Mixed Hay-more than 50 percent legumes, any mixture not classified in the previous classes, but which contain 50 percent or more singly or in combination of alfalfa, clvoer, or birdsfoot trefoil and grasses with total legume content more than 50 percent.
1. H. Raye Ruhland, Seven Valleys, York, 2. Eugene Stauffer, York, York, 3. Thomas Coffman, Jr., Petersburg, Huntingdon.

Class 10
Mixed hay-more than 50 percent grasses, any mixture not classified in the previous classes, but which contain 50 percent or more singly or in combination of alfalfa, clover, or birdsfoot trefoil and grasses with total grass content more than 50 percent.
1. Juniperdale Farms, Nazareth, Northumberland, 2. Robert Rider, Warriors Mark, Centre, 3. Thomas Wolfe, 4. William Peoples, Port Royal, Juniata.

Section II
Partially field cured plus heat dried (no hay preservatives)

Class 11
Alfalfa-first cutting, with not over 10 percent grasses.
1. Heidel Hollow Farm, Germanville, Lehigh.

Class 12
Alfalfa-later cutting with not over 10 percent grasses.
1.Jay McCarrell, Eighty-four, Washington, 2. Heidel Hollow Farm, Germanville, Lehigh.

Class 14
Alfalfa grass mixed-later cutting, a mixture of alfalfa and grass with over 10 percent, but not over 50 percent grasses.
1.Terry Mauser, Elizabethville, Dauphin.

Class 15
Clover with not over 20 percent grasses.
1. Jay McCarrel, Eighty-four, Washington.

Class 18
Grass-later cutting, a pure species or mixtures of grasses containing not over 10 percent legume.

1. Jay McCarrel, Eighty-four, Washington.

Class 19
Mixed hay-more than 50 percent legumes, any mixture not classfied in the previous classes but which contain 50 percent or more singly or in combination of alfalfa, clover, or birdsfoot trefoil and grasses with total legume content more than 50 percent.
1. Jay McCarrell,Eighty-four, Washington.

Class 20
Mixed Hay, more than 50 percent grasses, any mixture not classified in the previous classes, but which contain 50 percent or more singly or in combination of alfalfa, clover, or birdsfoot trefoil and grasses with total grass content more than 50 percent.
1.Jay McCarrell,Eighty-four, Washington.

Section III
Partially field cured plus hay preservative.

Dr. Sidney Bosworth (left) of the PSU agronomy department and Dr. Lester Vough, forage specialist from the University of Maryland and judge for the Pennsylvania Hay Show at Ag Progress Days examine forage samples during the show. Quality was excellent this year and for the first computer forage analysis was utilized in the contest.

Class 21
Alfalfa-first cutting, alfalfa with not over 10 percent grasses.
1. Nevin Rice, Blain, Perry, 2. David Witmer, Carlisle, Cumberland.

Class 22
Alfalfa-later cutting, with not over 10 percent grasses.
1. Terry L. Eutzy, Huntingdon, Huntingdon, 2. Frank Ruiti, Greenville, Mercer, 3. Herman Espy, Spruce Creek, Huntingdon, 4. Nevin Rice, Blain, Perry.

Class 24
Alfalfa grass mixed, later cutting, a mixture of alfalfa and grass with over 10 percent, but not over 50 percent grasses.
1. Nevin Rice, Blain, Perry, 2. Steve Lansberry, Centre Hall, Centre.

Class 25
Clover with not over 20 percent grasses.
1. Eugene Stauffer, York, York.

Class 26
Clover grass mixed-a mixture of clover and grass with over 20 percent, but not over 50 percent grasses.
1. Eugene Stauffer, York, York.

Class 27
Grass-first cutting, pure species or mixtures of grass containing not over 10 percent legume.
1. Eugene Stauffer, York, York, 2. Nevin Rice, Blain, Perry.

Class 30
Mixed Hay-more than 50 percent grasses, any mixture not classified in the previous classes, but which contain 50 percent or more singly or in combination of alfalfa, clover, or birdsfoot trefoil and grasses with total grass content more than 50 percent.
1. Nevin Rice, Blain, Perry, 2. David Witmer, Carlisle, Cumberland, 3. Eugene Stauffer, York, York, 4. Glenn Carper, McClure, Snyder.

Wismer Receives Senate Ag Citation

Pa. Senate Agriculture Leaders present a Senate Citation to Post Master of the State Grange Charles E. Wismer Jr., for his many accomplishments for Pa. Agriculture and the Grange. (L to R.) Sen. Noah Wenger, Lancaster Co., Sen. Edwin Hall, Montg. Co., Charles E. Wismer Jr., Post Master, Sen. Edward Helfrick, Northumberland Co.

PA Grange Makes Decisions

At its July Board of Directors meeting, the Pa. State Grange Service Corporation took several far reaching decisions that will propel it into the future and help maintain its position as the fastest growing farm organization service provider in Pa.

First, the Board of Directors created the position of Chief Executive Officer and appointed Charles E. Wismer, Jr., to the post. Wismer is the Chairman of the Board of Directors and recently retired as Master of the Pa. State Grange after nearly a decade in that position. Wismer stated, "the service corporation is experienc-

ing rapid growth and having a CEO in charge of the day to day operations will insure that the growth continues in a logical, manageable fashion."

Second, the Board of Directors entered into a joint agreement with Communicating for Agriculture, a Minnesota based, non-profit farm research organization, to market a unique concept in health insurance in Pa. "This concept is very new and exciting," explained Wismer. "This policy not only provides health insurance at a reasonable cost, it also provides a cash value retirement fund and a death benefit," Wismer said.

Finally, the Board of Directors approved a $7,000 computer upgrade which includes both software and hardware. "This new computer capability will not only allow us to expand services but will allow us to track individual accounts in much more detail and much more efficiently," said Ronald Shaffer, who worked with the computer vendor in developing the up-grade package and presented the proposal at the meeting.

The 18-month-old corporation will provide more than $5 million worth of services to the 42,000 members of the Pa. State Grange.