COMMERCIAL AVIATION DEPARTMENT: ANNUAL REPORT
for the Calendar Year 2002

I. Unit Title: Commercial Aviation       College: Business

Unit Administrator: Thomas N. Sledge

II. Data and information for department:

Mission Statement: To provide for the educational preparation of our students for professional flight and non-flight positions in the airline/aerospace industry.

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<td>7</td>
</tr>
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</table>

- Undergraduate credit hour production increased by 11 percent over the previous year.
- The number of flight hours increased 10 percent.
- Enrollment in graduate online courses more than doubled.
- The Department received funds from the Mississippi Legislature to purchase three new C-172R model airplanes. Delivery will be made in January, 2003.

CAV News, the departmental newsletter is being published once a year. The newsletter is mailed to over seven hundred alumni and parents of students.
### III. Personnel

**Noteworthy activities and accomplishments**
- Mr. Gary Hemphill was reappointed as Executive Director of the National Intercollegiate Flying Association.
- Three of the five faculty continued work on their doctoral studies.
- Mr. Tommy Sledge conducted career programs for public schools throughout Mississippi.
- William Bell and Tommy Sledge attended Alumni meetings in Oxford, Jackson, Memphis, Greenwood, Clarksdale, Grenada, Gulfport, Greenville, and Dallas, TX.
- Mr. Tommy Sledge gave programs on the CAV department to Civic Clubs in Tupelo, Cleveland and Rosedale.

**New Positions requested with justification**
- Aircraft Mechanic
  Airframe & Powerplant Mechanic - A second mechanic is needed on a part-time basis as a minimum to assist our present mechanic. The workload has increased such that our present mechanic needs assistance at peak times. The option is to hire a full-time mechanic or hire an outside mechanic on an hourly basis as needed.

**Recommended change of status (promotion/tenure/change in responsibilities)**
None
IV. Degree Program Addition/Deletions and/or Major Curriculum Changes
   None

V. Division/Department Goals for 2002

A. Commercial Aviation

   A. Unit Goal 1:
      - Purchase a new video projector that can be used in room 128 and 129. This will allow faculty to do powerpoint presentations in the classrooms, improving the quality of instruction.

   B. Method of Assessment:
      Analysis of the Department Budget.

   C. Results of Assessment:
      - No additional funds were allocated.

   D. Improvements made as a result of assessment:
      - A new projector has not been purchased.

   E. Other Action Being Planned as a Result of Assessment:
      - A second request for another video projector will be made.

B. Flight Operations

   A. Unit Goal # 1:
      - Hire an additional A & P Mechanic at the airport.

   B. Method Used for Assessment of Study:
      Analysis of the Department budget

   C. Results of Assessment:
      - No additional funds were so another mechanic was not hired

   D. Improvements Made as a Result of Assessment:
      - None

   E. Other Actions Planned:
      - As our fleet of airplanes continues to grow, the need for more help working on the aircraft has increased too. Another A & P will be requested next year.
A. Unit Goal 2:
Provide for a data transmission line direct from the airport to the campus to improve the efficiency of our accounting procedures.

B. Method Used for Assessment:
- Analysis of the Department Budget.

C. Results of Assessment:
- No funds were allocated

D. Improvements Made as a Result:
None

E. Other Action Being Planned as a Result of Assessment:
- Tommy Sledge has met three times with Teresa Houston, the Bursar, to try to get this project done. To date it has not been successful.

VI. Student Outcomes

Major: Flight Operations   Degree: .................. B.C.A.

A. Student Outcome 1:
- Each graduate will be able to demonstrate the knowledge and skill associated with being a holder of a Commercial Pilot's license.

B. Expected Results:
- 80 percent of the students who take the Federal Aviation Administration Commercial Pilot Practical Test will pass the test on the first attempt.

C. Evaluation Procedures:
- Review of results of the FAA Commercial Pilot Practical Test.

D. Actual Results of Evaluation:
- Review of the results of the FAA Commercial Pilot Practical Tests taken by our students show that 96 percent of the students passed on the first attempt.

Date of most recent evaluation? January, 2002

E. Use of Evaluation Results:
- No changes necessary. This current goal will be continued for next year.
Major: Flight Operations  
Degree: B.C.A.

A. **Student Outcome 2:**
   - Through oral presentations each graduate will be able to demonstrate knowledge of the fundamentals of instruction.

B. **Expected Results**:
   - 80 percent of the graduates will make a grade of B or higher in the senior capstone course, “Flight Instructor Ground & Flight”.

C. **Evaluation Procedures**:
   - Analysis of the grade distribution in the senior capstone course, “Flight Instructor Ground & Flight”.

D. **Actual Results of Evaluation**:
   - Analysis of the grade distribution revealed that 100 percent of the students who completed the course earned a grade of “B” or better in the course.

**Date of most recent evaluation:** January, 2002

E. **Use of Evaluation Results**:
   - No changes necessary. This goal will be continued for next year.
Major: Flight Operations
Degree: B.C.A.

A. Student Outcome 3:
   - Each graduate will be able to demonstrate the knowledge and skill associated
     with being a holder of a Federal Aviation Administration Flight Instructor
     Certificate.

B. Expected Results:
   - 80 percent of the students who take the Federal Aviation Administration Flight
     Instructor Practical Test will pass the Test on the first attempt.

C. Evaluation Procedures:
   - Review of the FAA Flight Instructor Practical Test results.

D. Actual Results of Evaluation:
   - Review of the results from the FAA written exams, showed that 92 percent of our
     students who took the FAA Flight Instructor Practical Test passed the test on the
     first attempt.

   Date of most recent evaluation: March, 2002

E. Use of Evaluation Results:
   - No change necessary. This goal will be continued for next year.
Major: Aviation Management

Degree: B.C.A.

A. Student Outcome 1:
- Through class participation and written examination, each graduate will be able to demonstrate knowledge of the operation of Fixed Base Operations and the role they play in the aviation industry.

B. Expected Results:
- 70 percent of the students who complete the course will make a grade of “B” or higher in the senior course, “Aviation Management”.

C. Evaluation Procedures:
- Analysis of the grade distribution in the senior course, “Aviation Management”.

D. Actual Results of Evaluation:
- Analysis of the grade distribution revealed that 74 percent of the graduates earned a grade of “B” or better in the senior course.

Date of most recent evaluation: March, 2002.

E. Use of Evaluation Results:
- No Changes necessary. This course is a spring semester only course.
Major: Aviation Management  

Degree: B.C.A.

A. Student Outcome 2:
   - Through class participation and written examination, each graduate will be able to demonstrate an understanding of the skills, knowledge, and attitudes that affect airport management.

B. Expected Results:
   - 70 percent of the students who complete the course will make a grade of “B” or higher in the senior course, “Airport Management”.

C. Evaluation Procedures:
   - Analysis of the grade distribution in the senior course, “Airport Management”.

D. Actual Results of Evaluation:
   - Analysis of the grade distribution revealed that 100 percent of the graduates earned a grade of “B” or better in the senior course.

   Date of most recent evaluation: March, 2002.

E. Use of Evaluation Results:
   - No changes necessary.
Major: Aviation Management          Degree: B.C.A.

A. **Student Outcome 3:**
   - Through class participation and written examination, each graduate will be able
to demonstrate knowledge of the characteristics, scope, and economic
significance of the aerospace industry.

B. **Expected Results:**
   - 70 percent of the students who complete the course will make a grade of "B" or
higher in the senior course, "Air Transportation".

C. **Evaluation Procedures:**
   - Analysis of the grade distribution in the senior course, "Air Transportation".

D. **Actual Results of Evaluation:**
   - Analysis of the grade distribution revealed that 80 percent of the graduates
earned a grade of "B" or better in the senior course.

   **Date of the most recent evaluation:** March, 2002.

E. **Use of Evaluation Results:**
   - No changes required.
Summary

1. Enrollment has continued to grow, especially in the graduate online program.

2. Airline hiring came to an abrupt halt after the 9-11-01 incident. Our enrollment will hopefully remain stable for the next year as the airlines slowly return to profitability.

3. DSU's aircraft maintenance program was visited by the FAA four times in 2002. The program was rated as outstanding on each visit.

4. DSU students and pilots in the local area benefited from the ease and convenience of taking FAA written exams using the CAV Department's computerized Testing Center.
COMMERCIAL AVIATION DEPARTMENT: ANNUAL REPORT
for the Calendar Year 2001

I. Unit Title: Commercial Aviation College: Business
Unit Administrator: Thomas N. Sledge

II. Data and information for department:

Mission Statement: To provide for the educational preparation of our students for professional flight and non-flight positions in the airline/aerospace industry.

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- Undergraduate credit hour production increased by 2 percent over the previous year.
- The number of flight hours increased 4 percent.
- Enrollment in graduate online courses continues to grow.
- The Department received funds from the Mississippi Legislature to purchase two new C-172R model airplanes. Delivery was made in August of 2001.
- CAV News, the departmental newsletter is being published once a year. The newsletter is mailed to over seven hundred alumni and parents of students.
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### III. Personnel

**Noteworthy activities and accomplishments**

- Mr. Gary Hemphill was reappointed as Executive Director of the National Intercollegiate Flying Association.
- Three of the five faculty continued work on their doctoral studies.
- Mr. Tommy Sledge conducted career programs for public schools throughout Mississippi.
- William Bell, and Tommy Sledge attended Alumni meetings in Oxford, Jackson, Memphis, Greenwood, Clarksdale, Grenada, Gulfport, Greenville, and Dallas, TX.
- Mr. Tommy Sledge gave programs on the CAV department to Civic Clubs in Tupelo, Cleveland, and Leland.

**New Positions requested with justification**

- Aircraft Mechanic
  
  Airframe & Powerplant Mechanic - A second mechanic is needed on a part-time basis as a minimum to assist our present mechanic. The workload has increased such that our present mechanic needs assistance at peak times. The option is to hire a full-time mechanic or hire an outside mechanic on an hourly basis as needed.

**Recommended change of status (promotion/tenure/change in responsibilities)**

None
IV. Degree Program Addition/Deletions and/or Major Curriculum Changes
   None

V. Division/Department Goals for 2001

A. Commercial Aviation

   A. Unit Goal 1:
      - Purchase a new video projector that can be used in room 128 and 129.
        This will allow faculty to do powerpoint presentations in the classrooms,
        improving the quality of instruction..

   B. Method of Assessment:
      Analysis of the Department Budget.

   C. Results of Assessment:
      - No additional funds were allocated.

   D. Improvements made as a result of assessment:
      - A new projector has not been purchased.

   E. Other Action Being Planned as a Result of Assessment:
      - A second request for another video projector will be made.

B. Flight Operations

   A. Unit Goal # 1:
      - Hire an additional A & P Mechanic at the airport.

   B. Method Used for Assessment of Study:
      Analysis of the Department budget

   C. Results of Assessment:
      - No additional funds were so another mechanic was not hired

   D. Improvements Made as a Result of Assessment:
      - None

   E. Other Actions Planned:
      - As our fleet of airplanes continues to grow, the need for more help
        working on the aircraft has increased too. Another A & P will be
        requested next year.
A. **Unit Goal 2:**
   Provide for a data transmission line direct from the airport to the campus to improve the efficiency of our accounting procedures.

B. **Method Used for Assessment:**
   - Analysis of the Department Budget.

C. **Results of Assessment:**
   - No funds were allocated

D. **Improvements Made as a Result:**
   None

E. **Other Action Being Planned as a Result of Assessment:**
   - Tommy Sledge has met three times with Teresa Houston, the Bursar, to try to get this project done. To date it has not been successful.

VI. **Student Outcomes**

**Major:** Flight Operations  **Degree:** ........ B.C.A.

A. **Student Outcome 1:**
   - Each graduate will be able to demonstrate the knowledge and skill associated with being a holder of a Commercial Pilot’s license.

B. **Expected Results:**
   - 80 percent of the students who take the Federal Aviation Administration Commercial Pilot Practical Test will pass the test on the first attempt.

C. **Evaluation Procedures:**
   - Review of results of the FAA Commercial Pilot Practical Test.

D. **Actual Results of Evaluation:**
   - Review of the results of the FAA Commercial Pilot Practical Tests taken by our students show that 96 percent of the students passed on the first attempt.

   **Date of most recent evaluation?** January, 2002

E. **Use of Evaluation Results:**
   - No changes necessary. This current goal will be continued for next year.
Major: Flight Operations

A. Student Outcome 2:
   - Through oral presentations each graduate will be able to demonstrate knowledge of the fundamentals of instruction.

B. Expected Results:
   - 80 percent of the graduates will make a grade of B or higher in the senior capstone course, "Flight Instructor Ground & Flight".

C. Evaluation Procedures:
   - Analysis of the grade distribution in the senior capstone course, "Flight Instructor Ground & Flight".

D. Actual Results of Evaluation:
   - Analysis of the grade distribution revealed that 100 percent of the students who completed the course earned a grade of "B" or better in the course. Ten additional students received an "IP" grade due to scheduling problems with their flight training. Our flight training was halted for over 45 days due to the 9-11-01 incidents.

Date of most recent evaluation: January, 2002

E. Use of Evaluation Results:
   - Results are inconclusive at this time due to the number of "I" grades issued.
   - The problem of scheduling flight training is being reviewed by the flight instruction staff. This goal will be continued for next year.
Major: Flight Operations

Degree: B.C.A.

A. Student Outcome 3:
   - Each graduate will be able to demonstrate the knowledge and skill associated with being
     a holder of a Federal Aviation Administration Flight Instructor Certificate.

B. Expected Results:
   - 80 percent of the students who take the Federal Aviation Administration Flight
     Instructor Practical Test will pass the Test on the first attempt.

C. Evaluation Procedures:
   - Review of the FAA Flight Instructor Practical Test results.

D. Actual Results of Evaluation:
   - Review of the results from the FAA written exams, showed that 92 percent of our
     students who took the FAA Flight Instructor Practical Test passed the test on the first
     attempt.

   Date of most recent evaluation: March, 2002

E. Use of Evaluation Results:
   - No change necessary. This goal will be continued for next year.
Major: Aviation Management  

Degree: B.C.A.

A. Student Outcome 1:
- Through class participation and written examination, each graduate will be able to demonstrate knowledge of the operation of Fixed Base Operations and the role they play in the aviation industry.

B. Expected Results:
- 70 percent of the students who complete the course will make a grade of “B” or higher in the senior course, “Aviation Management”.

C. Evaluation Procedures:
- Analysis of the grade distribution in the senior course, “Aviation Management”.

D. Actual Results of Evaluation:
- Analysis of the grade distribution revealed that 66 percent of the graduates earned a grade of “B” or better in the senior course.

Date of most recent evaluation: March, 2002.

E. Use of Evaluation Results:
- Faculty member that taught the course has been rotated to another course. Results will be reexamined after the 2002 Spring Semester. This course is a spring semester only course.
Major: Aviation Management

Degree: B.C.A.

A. Student Outcome 2:
   - Through class participation and written examination, each graduate will be able to
demonstrate an understanding of the skills, knowledge, and attitudes that affect airport
management.

B. Expected Results:
   - 70 percent of the students who complete the course will make a grade of “B” or higher in
the senior course, “Airport Management”.

C. Evaluation Procedures:
   - Analysis of the grade distribution in the senior course, “Airport Management”.

D. Actual Results of Evaluation:
   - Analysis of the grade distribution revealed that 100 percent of the graduates earned a
grade of “B” or better in the senior course.

   Date of most recent evaluation: March, 2002.

E. Use of Evaluation Results:
   - No changes necessary.
Major: Aviation Management

Degree: B.C.A.

A. Student Outcome 3:
   - Through class participation and written examination, each graduate will be able to demonstrate knowledge of the characteristics, scope, and economic significance of the aerospace industry.

B. Expected Results:
   - 70 percent of the students who complete the course will make a grade of “B” or higher in the senior course, “Air Transportation”.

C. Evaluation Procedures:
   - Analysis of the grade distribution in the senior course, “Air Transportation”.

D. Actual Results of Evaluation:
   - Analysis of the grade distribution revealed that 80 percent of the graduates earned a grade of “B” or better in the senior course.

   Date of the most recent evaluation: March, 2002.

E. Use of Evaluation Results:
   - No changes required.
Summary

1. Enrollment has continued to grow, especially in the graduate online program. Our first graduate of the airline program received his diploma in December, 2001. It was the first time he had ever been on campus.

2. Airline hiring came to an abrupt halt after the 9-11-01 incident. Our enrollment will hopefully remain stable for the next year as the airlines slowly return to profitability.

3. DSU’s aircraft maintenance program was visited by the FAA three times in 2001. The program was rated as outstanding on each visit.

4. Five out of six student outcomes were met. The number of students receiving incompletes in flying courses increased due to our grounding by the FAA after 9-11-01. All flight schools were shut down for 45 days.

5. DSU students and pilots in the local area benefited from the ease and convenience of taking FAA written exams using the CAV Department’s computerized Testing Center.